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ABSTRACT

This instructional unit on travel and transportation is one of six Adult Competency Education Learning Modules designed for use in a program of competency-based instruction for students with intermediate reading level ability. It is self-contained and designed for immediate classroom use. Each of five lessons contains these types of materials: information sheets, student exercise sheets, and exercise sheet answer keys. Topics covered in the lessons include Trains and Buses, Maps, You Take the High Road (toll roads, accidents, accident reports), The Airport, and Time Zones. (YLB)

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TRAVEL AND TRANSPORTATION

AN

ADULT COMPETENCY EDUCATION LEARNING MODULE

BY

VIRGINIA WALLACE

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INTRODUCTION

This Competency-Based Adult Education Learning Module is an instructional unit designed for use in a program of competency-based instruction. The module is self-contained and designed for immediate classroom use. It is appropriate for intermediate readers but may be used with other students. Beginning readers may use the module with teacher assistance or a recorded audio tape of the text; advanced readers may use the module when the content is of high interest.

Competency-based education addresses itself to both academic skills and life-coping skills. Objectives are defined which cover both life-coping and academic performance; a proper integration of the two is essential to the success of the competency-based approach. In a competency-based instructional unit, the ultimate desired outcome is performance-oriented: by using this module, the student should enhance his ability to function in everyday life.

The information in this module pertains to various modes of travel: car, train and bus, air travel. There is a section on map reading and a chapter on time zones. The skills which are practiced include reading, writing, computation (including basic math and fractions) and problem-solving. The practice of applying these skills to some real-life knowledge areas will afford the student a more profound grasp of the skills and will enhance his or her ability to transfer those skills to other situations. In the short run, the information in this module should help students "get around" more easily and effectively.

PREFACE

The original module was produced in Plainfield, New Jersey as part of an experimental project, "Adult Competency Education: Research and Curriculum Development." In the course of the project a program of competency-based education was developed and instituted: this module was created for and used in an actual instructional program.

The Project was sponsored by the Plainfield Board of Education. Contact person for the project was Charles T. Carter, Director of Adult and Continuing Education.

While the concept of competency-based education is gaining increasing acceptance among adult educators the implementation of programs based on the concept is lagging behind. This project is an effort to bridge the gap between the formulation of an educational theory and the expression of that theory in actual classroom experience. This transition could not have been made without the participation of the Adult Basic Education students who became involved in a program of competency-based instruction, used the materials as they were developed and revised, and contributed their ideas and responses. The Project Staff extends its deepest appreciation to the students involved in the Project.

The Project Staff also wishes to express gratitude to the fleet of skillful typists: Dorothy Willison, Shirley Gaines, Barbara O'Neill and Barbara Willison.

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TRAVEL AND TRANSPORTATION

TABLE OF CONTENTS

1. Trains and Buses

2. Maps

3. You Take The High Road

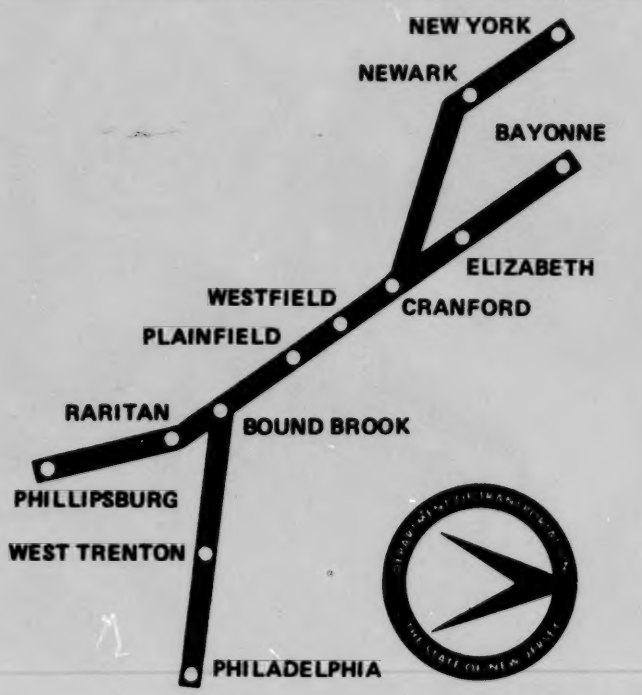
4. The Airport

5. Time Zones

Trains are an easy and practical way to travel - especially with the high price of gas. Why not take a train instead of driving?

To travel by train you need to be able to read a train schedule. It is not always possible to find someone at the train station to ask about the schedule. Anyway, it's better to be able to do it yourself. This lesson will show you now.

The following pages show you the schedule for one train line. You will notice that there are several different charts. The first chart is for weekdays; the second for holidays; the third for Saturdays and Washington's birthday; and the fourth for an extra line which goes further than the regular route.



Look at this map: the regular route goes from New York to Raritan. The extra line goes to Phillipsburg and to Philadelphia.

Study these charts, then answer the questions on page 6 and 7.

MONDAYS thru FRIDAYS except HOLIDAYS (see list below)

Miles from Newark	TO RARITAN	891 AM	5401 AM	• 5403 AM	• 5903 AM	• 5445 AM	AM	• 5405 AM	• 5407 AM	5409 AM	5411 AM	5713 AM	5415 PM	5417 PM	5419 PM	PM	5421 PM	5423 PM	• 5923 PM	5703 PM	• 5425 PM	• 5427 PM	5707 PM	• 5429 PM	889 PM	• 5431 PM	5433 PM	5485 PM	5437 PM	5439 PM
.....	Lv New York (Penna. Sta.)♦	.....	12.40	6.15	6.33	6.53	.....	7.50	8.40	9.40	10.40	11.40	12.40	1.40	3.05	.....	4.07	4.40	4.51	5.03	5.14	5.34	5.37	A6.00	.....	6.25	A7.05	8.10	9.40	11.10
.....	At Newark	.....	12.55	6.30	6.48	7.07	.....	8.04	8.54	9.53	10.54	11.54	12.54	1.53	3.18	.....	4.22	4.56	5.06	5.18	5.29	5.49	5.52	6.15	.....	6.40	7.20	8.23	9.53	11.23
.....	Lv New York (World Trade Center)♦	.....	12.27	6.12	6.42	7.02	.....	7.43	8.34	9.32	10.32	11.32	12.32	1.32	3.02	.....	4.12	4.31	4.52	5.04	5.07	5.31	5.34	6.01	.....	6.32	7.02	8.02	9.32	10.57
.....	At Newark (PATH)	.....	12.45	6.30	7.00	7.20	.....	8.02	8.53	9.50	10.50	11.50	12.50	1.50	3.20	.....	4.30	4.50	5.11	5.23	5.26	5.50	5.53	6.20	.....	6.50	7.20	8.20	9.50	11.15
0.0	Lv Newark	.....	1.00	6.35	7.03	7.24	.....	8.17	9.00	10.00	11.00	12.00	1.00	2.00	3.25	.....	4.35	5.00	5.17	5.30	5.34	5.56	6.00	6.25	.....	6.55	7.25	8.30	10.00	11.30
7.2	" Roselle Park	.....	1.10	6.46	.....	.....	.....	8.30	9.10	10.10	11.10	12.10	1.10	2.10	3.35	.....	4.46	5.12	5.29	.....	5.47	6.09	.....	6.37	.....	7.05	7.35	8.40	10.10	11.40
				803			805	806	807	809	811	813	815	817	819	899	821	823			825			829			833	835	837	839
.....	Lv East 33rd St.)	.....	.....	c 6.20	.....	.....	7.36	c8.02	.....	.....	.....	.....	.....	.....	.....	.....	c4.09	c4.44	.....	.....	c5.18	.....	.....	c5.55	.....	.....	.....	.....	.....	.....
.....	" East 22nd St.) Bayonne	.....	.....	c 6.23	.....	.....	7.39	c8.05	.....	.....	.....	.....	.....	.....	.....	.....	c4.12	c4.47	.....	.....	c5.21	.....	.....	c5.58	.....	.....	.....	.....	.....	.....
.....	" West 8th St.)	12.25	.....	c 6.26	.....	.....	7.42	c8.08	c8.40	c 9.20	c10.37	c11.35	c12.34	c1.43	c3.11	3.34	c4.15	c4.50	.....	.....	c5.24	.....	.....	c6.01	6.30	.....	c7.12	c8.16	c 9.45	c11.14
.....	" Elizabethport	12.31	.....	c 6.32	.....	.....	7.48	c8.14	c8.46	c 9.26	c10.43	c11.41	c12.40	c1.49	c3.17	3.40	c4.21	c4.56	.....	.....	c5.30	.....	.....	c6.07	6.36	.....	c7.18	c8.22	c 9.51	c11.20
.....	" Elizabeth	12.35	.....	c 6.36	.....	.....	7.52	c8.18	c8.50	c 9.30	c10.47	c11.45	c12.44	c1.53	c3.21	3.44	c4.25	c5.00	.....	.....	c5.34	.....	.....	c6.11	6.40	.....	c7.22	c8.26	c 9.55	c11.24
.....	" Elmora Avenue	.....	.....	c 6.39	.....	.....	7.55	c8.12	.....	.....	.....	.....	.....	.....	c3.24	3.47	c4.28	c5.03	.....	.....	c5.37	.....	.....	.....	6.43	.....	.....	.....	.....	.....
.....	" Roselle	12.39	.....	c 6.42	.....	.....	7.58	.....	.....	.....	.....	.....	.....	.....	c3.27	3.50	c4.31	c5.06	.....	.....	c5.40	.....	.....	c6.15	6.46	.....	c7.26	.....	c 9.59	.....
.....	At Cranford	12.44	.....	6.47	.....	.....	8.03	8.29	8.57	9.40	10.56	11.55	12.53	2.03	3.32	3.55	4.36	5.11	.....	.....	5.45	.....	.....	c6.20	6.51	.....	7.31	8.34	10.05	11.32
9.5	Lv Cranford	12.44	1.15	6.53	.....	.....	.....	8.37	9.15	10.15	11.15	12.15	1.15	2.15	3.40	.....	4.51	5.18	5.34	.....	5.54	6.16	.....	6.43	6.51	7.10	7.40	8.45	10.15	11.45
10.6	" Garwood	.....	.....	6.56	.....	7.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.54	.....	.....	.....	5.57	.....	.....	6.45	.....	.....	.....	.....	10.18	.....
11.8	" Westfield	12.48	1.19	6.59	.....	7.48	.....	8.41	9.19	10.19	11.19	12.19	1.19	2.19	3.44	.....	4.57	5.23	5.39	.....	6.03	6.21	.....	6.48	6.55	7.15	7.45	8.49	10.21	11.49
13.9	" Fanwood	.....	1.24	7.04	.....	.....	.....	8.46	9.24	10.24	11.24	12.24	1.24	2.24	3.49	.....	5.02	5.28	5.44	.....	6.08	6.26	.....	6.53	7.00	7.20	7.50	8.54	10.26	11.54
15.1	" Netherwood	.....	.....	7.07	.....	.....	.....	8.49	.....	.....	.....	.....	.....	.....	.....	.....	5.06	5.32	5.48	.....	6.13	6.29	.....	6.56	7.03	7.24	7.54	8.57	10.30	.....
16.3	" Plainfield-No. Plainfield	12.56	1.29	7.10	7.30	7.55	.....	8.52	9.29	10.29	11.29	12.29	1.29	2.29	3.54	.....	5.09	5.36	5.53	5.55	6.17	6.33	.....	6.59	7.06	7.28	7.58	9.00	10.34	11.59
17.4	Lv Grant Ave Plainfield	.....	.....	7.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.12	.....	.....	.....	6.20	6.36	.....	7.02	7.09	7.31	8.01	.....	.....	12.02
19.2	" Dunellen	1.01	1.34	7.16	.....	8.00	.....	8.56	9.34	10.34	11.34	12.34	1.34	2.34	3.59	.....	5.16	5.41	.....	6.00	6.24	6.40	.....	7.05	7.12	7.35	8.05	9.05	10.39	12.06
23.5	" Bound Brook	1.07	1.41	7.23	.....	8.07	.....	9.03	9.41	10.41	11.41	12.41	1.41	2.41	4.06	.....	5.23	5.48	.....	6.07	6.32	6.48	6.38	7.12	7.19	7.42	8.12	9.12	10.46	12.13
26.2	" Manville	.....	.....	7.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27.9	" Somerville	1.13	1.47	7.33	.....	8.14	.....	9.09	9.47	10.47	11.47	12.47	1.47	2.47	4.12	.....	5.29	5.55	.....	6.14	6.39	6.55	6.43	7.19	7.25	7.48	8.18	9.18	10.52	12.19
29.1	At Raritan	1.17	1.53	7.38	.....	8.20	.....	9.15	9.55	10.53	11.53	12.51	1.53	2.53	4.18	.....	5.35	6.00	.....	6.17	6.43	6.59	6.47	7.25	7.29	7.54	8.24	9.22	10.58	12.25

(Will Run Mondays and Days Following Holidays Only)

See Calco Note

	FROM RARITAN	872 AM	• 5402 AM	• 5404 AM	• 5406 AM	878 AM	• 5448 AM	5708 AM	• 5802 AM	• 5408 AM	• 5410 AM	5910 AM	• 5712 AM	• 5412 AM	5414 AM	5416 AM	5418 AM	5420 AM	5422 PM	5424 PM	PM	5726 PM	PM	5428 PM	5430 PM	5932 PM	5432 PM	5434 PM	5436 PM	5438 PM	5440 PM
	Lv Raritan	5.04	5.23	5.56	6.20	6.43	6.53	7.07	.....	7.00	7.10	.....	7.46	7.50	8.39	9.39	10.29	11.29	12.31	2.11	.....	3.12	.....	4.31	5.00	.....	5.48	7.15	8.31	10.01	11.20
	" Somerville	5.07	5.27	6.00	6.23	6.46	6.56	7.10	.....	.....	7.14	.....	7.49	7.54	8.42	9.42	10.32	11.32	12.34	2.14	.....	3.15	.....	4.35	5.03	.....	5.52	7.18	8.34	10.04	11.24
	" Manville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.39	.....	.....	.....	.....	.....	.....	.....
	" Bound Brook	5.13	5.33	6.07	6.30	6.53	.....	7.17	.....	7.08	7.21	.....	7.56	8.01	8.48	9.48	10.38	11.38	12.40	2.20	.....	3.22	.....	4.47	5.09	.....	5.58	7.24	8.40	10.10	11.30
	" Dunellen	5.19	5.39	6.13	6.36	6.59	7.08	.....	.....	7.16	7.27	.....	8.02	8.07	8.54	9.54	10.44	11.44	12.46	2.26	.....	3.28	.....	4.54	5.15	.....	6.05	7.30	8.46	10.16	11.36
	" Grant Ave., Plainfield	5.23	.....	6.17	6.40	7.04	.....	.....	.....	.....	7.31	.....	.....	8.11	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.57	.....	.....	.....	.....	.....	.....	.....
	Lv Plainfield-No. Plainfield	5.26	5.44	6.20	6.43	7.07	7.13	.....	.....	7.23	7.34	x7.40	.....	8.14	8.59	9.59	10.49	11.49	12.51	2.31	.....	3.34	.....	5.00	5.20	x6.04	6.10	7.35	8.51	10.21	11.41
	" Netherwood	5.29	.....	6.24	6.46	7.10	7.17	.....	.....	7.26	.....	7.43	.....	8.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.03	.....	.....	.....	.....	.....	.....	.....
	" Fanwood	5.32	.....	6.27	6.49	7.13	.....	.....	.....	7.30	.....	7.46	.....	8.20	9.04	10.04	10.54	11.54	.....	.....	.....	.....	.....	5.06	.....	.....	6.15	7.40	.....	.....	11.46
	" Westfield	5.37	5.51	6.32	6.54	7.18	7.22	.....	.....	7.36	7.42	7.52	8.13	8.25	9.09	10.09	10.59	11.59	12.59	2.39	.....	3.42	.....	5.11	5.29	6.11	6.20	7.45	8.59	10.29	11.51
	" Garwood	.....	.....	6.35	.....	.....	.....	.....	.....	.....	7.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.13	.....	.....	.....	.....	.....	.....	.....
	Lv Cranford	5.41	5.56	6.38	6.59	7.23	.....	x7.35	.....	7.49	7.57	.....	.....	8.30	9.13	10.13	11.03	12.03	1.03	2.43	.....	3.46	.....	5.16	5.34	.....	6.24	7.50	9.03	10.33	11.55

				806					810		812	814	816	818	820	822	824	826	890	892	828	830		832	834	836	838	
	Lv Cranford	5.41	.....	7.05	7.23	.....	.....	.....	8.14	.....	8.34	9.17	10.17	11.07	12.07	1.17	2.47	3.40	4.00	4.41	5.20	5.54	.....	6.28	7.52	8.07	10.40	.....
	" Roselle	5.46	.....	c7.10	7.28	.....	.....	.....	c8.19	.....	c8.39	.....	c10.22	.....	.....	e1.22	e2.52	3.45	.....	4.46	c5.25	c5.58	.....	c6.33	.....	.....	.....	.....	.....
	" Elmora Avenue	5.49	.....	c7.13	7.31	.....	.....	.....	c8.22	.....	c8.42	.....	.....	.....	.....	.....	.....	.....	.....	4.49	c5.28	.....	.....	.....	.....	.....	.....	.....	.....
	" Elizabeth	5.52	.....	c7.16	7.35	.....	.....	.....	c8.25	.....	c8.45	c9.25	c10.26	c11.17	e12.17	e1.26	e2.57	3.50	e4.08	4.52	c5.31	c6.03	.....	c6.37	c7.59	c9.17	c10.47	.....
	" Elizabethport	5.56	.....	c7.20	7.40	.....	.....	.....	c8.29	.....	c8.49	c9.29	c10.30	c11.21	e12.21	e1.30	e3.01	3.54	e4.12	4.56	c5.35	c6.07	.....	c6.41	c8.03	c9.21	c10.51	.....
	" West 8th St.)	6.02	.....	c7.26	7.47	.....	.....	.....	c8.35	.....	c8.55	c9.35	c10.36	c11.27	e12.27	e1.36	e3.07	4.00	e4.18	5.02	c5.41	c6.13	.....	c6.47	c8.09	c9.27	c10.58	.....
	" East 22nd St.) Bayonne	6.05	.....	c7.29	7.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	e4.21	5.05	c5.44	.....	.....	.....	.....	.....	.....	.....	.....
	At East 33rd St.)	6.08	.....	c7.32	7.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.04	e4.24	5.08	c5.47	.....	.....	.....	.....	.....	.....	.....	.....
	Lv Roselle Park	.....	6.03	6.44	7.05	.....	.....	7.41	.....	.....	8.03	.....	8.36	9.18	10.18	11.08	12.08	1.08	2.48	.....	3.51	.....	5.21	.....	6.30	7.55	9.05	10.38	12.00
	At Newark	.....	6.15	6.58	7.18	.....	7.46	7.50	7.55	8.00	8.16	8.33	8.48	9.30	10.30	11.20	12.20	1.20	3.00	.....	4.03	.....	5.34	5.51	6.41	6.47	8.07	9.20	10.50	12.12
	Lv Newark (PATH)	.....	6.26	7.03	7.27	.....	7.51	7.57	8.00	8.06	8.15	8.21	8.39	8.51	9.36	10.36	11.26	12.26	1.26	3.06	.....	4.14	.....	5.39	5.56	6.46	6.56	8.16	9.26	10.56	12.30
	At New York (World Trade Center)♦	.....	6.44	7.22	7.46	.....	8.10	8.16	8.19	8.19	8.34	8.40	8.58	9.10	9.55	10.54	11.44	12.44	1.44	3.25	.....	4.33	.....	5.58	6.14	7.04	7.15	8.34	9.44	11.14	12.48
	Lv Newark	.....	6.20	7.19	7.25	.....	7.53	7.59	8.08	8.08	8.19	8.25	8.37	8.52	9.35	A10.40	11.25	12.25	1.25	3.11	.....	4.13	.....	A5.40	5.55	7.01	7.01	8.20	9.25	10.56	12.20
	At New York (Penna. Sta.)♦	.....	6.35	7.34	7.40	.....	8.08	8.14	8.24	8.24	8.35	8.40	8.52	9.07	9.52	10.55	11.42	12.42	1.42	3.27	.....	4.29	.....	5.55	6.12	7.18	7.18	8.35	9.42	11.12	12.35

Calco—Westbound Train 5403 stops at 7:25 AM
Eastbound Train 5428 stops at 4:48 PM

A Penna. Sta. New York Connection operated by Amtrak.

♣Connecting train change at Newark—connection not guaranteed
• Going portion of one-day round trip tickets NOT good on this train
★ Return portion of one-day round trip tickets NOT good on this train

c Connecting train—passengers to stations west of Cranford, change at Cranford—connection not guaranteed
d Stops to discharge passengers only
e Stops on notice to Agent or Conductor
p Stops to pick up passengers only
x Leaves from Westbound station

HOLIDAYS—New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day

SUNDAYS & HOLIDAYS (EXCEPT WASHINGTON'S BIRTHDAY)

TO RARITAN	2881 AM	5551 AM	5553 AM	5555 AM	5557 AM	5559 AM	5561 AM	5563 PM	5565 PM	5567 PM	5569 PM	5571 PM	5573 PM	5575 PM
Lv New York (Penna. Sta.)◆	.....	12.40	.....	7.05	8.15	9.55	A12.00	1.10	3.40	5.05	A 6.00	8.10	9.50	A11.00
Ar. Newark	.....	12.55	.....	7.20	8.30	10.09	12.15	1.23	3.53	5.21	6.15	8.23	10.05	11.15
Lv New York (World Trade Center)◆	.....	12.27	5.58	7.28	8.28	9.43	11.58	12.58	3.28	4.58	5.58	7.58	9.58	10.58
Ar Newark (PATH)	.....	12.45	6.16	7.46	8.46	10.01	12.16	1.16	3.46	5.16	6.16	8.16	10.16	11.16
Lv Newark	.....	1.00	6.30	7.50	9.05	10.15	12.20	1.35	4.00	5.25	6.22	8.30	10.22	11.22
Ar Roselle Park	.....	1.10	6.40	8.00	9.15	10.25	12.30	1.45	4.10	5.35	6.32	8.40	10.32	11.32
			2883	2885	2887	2889	2891	2893	2895	2897	2899	2871	2873	2875
Lv West 8th St. Bayonne	12.35	.....	c 6.19	c 7.41	c 8.56	c10.03	c12.09	c 1.24	c 3.47	c 5.16	c 6.12	c 8.15	c10.11	c11.12
" Elizabethport	12.41	.....	c 6.26	c 7.47	c 9.02	c10.09	c12.15	c 1.31	c 3.53	c 5.22	c 6.18	c 8.21	c10.18	c11.18
" Elizabeth	12.45	.....	c 6.30	c 7.51	c 9.06	c10.13	c12.19	c 1.35	c 3.57	c 5.26	c 6.22	c 8.25	c10.22	c11.22
" Roselle	.....	.....	c 6.34	c 7.55	c 9.10	c10.17	c12.23	c 1.39	c 4.01	.....	.....	.....	.....	.....
Ar Cranford	12.54	.....	6.39	8.00	9.15	10.22	12.28	1.44	4.06	5.35	6.31	8.34	10.31	11.31
Lv Cranford	12.54	1.15	6.45	8.05	9.20	10.30	12.35	1.50	4.15	5.40	6.37	8.45	10.37	11.37
" Garwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Westfield	12.58	1.19	6.49	8.09	9.24	10.34	12.39	1.54	4.19	5.44	6.41	8.49	10.41	11.41
" Fanwood	.....	1.24	6.54	8.14	9.29	10.39	12.44	1.59	4.24	5.49	6.46	8.54	10.46	11.46
" Netherwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Plainfield-No. Plainfield	1.06	1.29	6.59	8.19	9.34	10.44	12.49	2.04	4.29	5.53	6.51	8.59	10.51	11.51
Lv Grant Ave., Plainfield	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Dunellen	1.11	1.34	7.04	8.24	9.39	10.49	12.54	2.09	4.34	5.58	6.56	9.04	10.56	11.56
" Bound Brook	1.17	1.40	7.10	8.30	9.45	10.55	1.00	2.15	4.40	6.04	7.02	9.10	11.02	12.02
" Manville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Somerville	1.23	1.46	7.16	8.36	9.51	11.01	1.06	2.21	4.46	6.10	7.08	9.16	11.08	12.08
Ar Raritan	1.27	1.52	7.22	8.42	9.57	11.07	1.12	2.27	4.52	6.16	7.14	9.22	11.14	12.14

FROM RARITAN	2882 AM	5552 AM	5554 AM	5556 AM	5558 AM	5560 AM	5562 PM	5564 PM	5566 PM	5568 PM	5570 PM	5572 PM	5574 PM	5576 PM
Lv Raritan	5.10	5.24	6.10	7.54	8.55	10.23	11.59	2.25	3.59	5.08	6.59	8.19	9.49	11.24
" Somerville	5.14	5.27	6.14	7.58	8.59	10.27	12.02	2.29	4.02	5.12	7.02	8.22	9.52	11.27
" Manville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Bound Brook	5.20	5.33	6.20	8.04	9.06	10.33	12.08	2.35	4.08	5.18	7.08	8.28	9.58	11.33
" Dunellen	5.26	5.39	6.26	8.10	9.11	10.39	12.14	2.41	4.14	5.24	7.14	8.34	10.04	11.39
" Grant Ave., Plainfield	5.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lv Plainfield-No. Plainfield	5.33	5.44	6.31	8.15	9.16	10.44	12.19	2.46	4.19	5.29	7.19	8.39	10.09	11.44
" Netherwood	5.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
" Fanwood	5.39	5.49	6.36	8.19	9.21	10.49	12.24	2.51	4.24	5.34	7.24	8.44	10.14	11.49
" Westfield	5.44	5.54	6.41	8.24	9.26	10.54	12.29	2.56	4.29	5.39	7.29	8.49	10.19	11.54
" Garwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lv Cranford	5.48	5.58	6.45	8.28	9.30	10.58	12.33	3.00	4.33	5.43	7.33	8.53	10.23	11.58
			2884	2886	2888	2890	2892	2894	2896	2898	2870	2872	2874	2876
Lv Cranford	5.48	.....	7.00	8.30	9.35	11.07	12.59	3.05	4.43	5.48	7.40	9.00	10.36	12.05
" Roselle	5.53	.....	.....	.....	c9.40	c11.12	c1.04	.....	e4.48	.....	e7.45	e9.05	.....	.....
" Elizabeth	5.57	.....	c7.09	c8.39	c9.44	c11.16	c1.08	e3.14	e4.52	e5.55	e7.49	e9.09	e10.44	e12.13
" Elizabethport	6.01	.....	c7.13	c8.43	c9.48	c11.20	c1.12	e3.18	e4.57	e5.59	e7.53	e9.13	e10.48	e12.17
Ar West 8th St. Bayonne	6.07	.....	c7.19	c8.49	c9.54	c11.26	c1.18	e3.24	e5.03	e6.05	e7.59	e9.19	e10.54	e12.23
Lv Roselle Park	.....	6.03	6.50	8.33	9.35	11.03	12.38	3.06	4.38	5.48	7.38	8.58	10.28	12.03
Ar Newark	.....	6.15	7.02	8.45	9.47	11.15	12.50	3.17	4.50	6.00	7.50	9.10	10.40	12.15
Lv Newark (PATH)	.....	6.35	7.20	8.50	9.50	11.20	1.05	3.20	5.05	6.05	8.05	9.20	10.50	12.30
Ar New York (World Trade Center)◆	.....	6.54	7.39	9.09	10.09	11.39	1.24	3.38	5.24	6.24	8.24	9.38	11.09	12.49
Lv Newark	.....	6.20	.....	8.50	9.55	11.23	12.55	3.40	4.58	6.10	7.55	9.15	A10.45	12.20
Ar New York (Penna. Sta.)◆	.....	6.36	.....	9.06	10.12	11.38	1.12	3.56	5.15	6.25	8.12	9.30	11.00	12.36

FOR YOUR SAFETY HELP US STAMP OUT VANDALISM!

If you observe anyone loitering at stations, tampering with equipment, throwing stones at trains, please call this special police department number—353-1066—and we will dispatch a police patrol immediately. Your help may save you an injury and your cooperation will be appreciated. (Reverse the charges!)

Use 1-DAY ROUND TRIP FARES. The low cost way to enjoy a day of business, shopping, or entertainment.

SATURDAYS AND WASHINGTON'S BIRTHDAY

TO RARITAN	5501 AM	5503 AM	5505 AM	5507 AM	5509 AM	5511 AM	5513 AM	5515 PM	5517 PM	5519 PM	5521 PM	5523 PM	5525 PM	5527 PM	5529 PM	5531 PM	5533 PM	5535 PM
Lv New York (Penna. Sta.)♦	12.40	.....	6.53	A8.00	9.40	10.40	11.40	12.40	A2.00	3.10	A4.00	5.05	A6.00	A7.05	8.10	9.10	10.25	11.40
Ar Newark	12.55	.....	7.07	8.15	9.53	10.53	11.53	12.54	2.15	3.25	4.16	5.21	6.15	7.20	8.25	9.25	10.40	11.53
Lv New York (World Trade Center)♦	12.27	6.13	7.13	7.58	9.28	10.28	11.28	12.28	1.58	2.54	3.58	4.58	5.58	6.58	7.58	8.58	10.13	11.28
Ar Newark (PATH)	12.45	6.31	7.31	8.16	9.46	10.46	11.46	12.46	2.16	3.16	4.16	5.16	6.16	7.16	8.16	9.16	10.31	11.46
Lv Newark	1.00	6.40	7.40	8.30	10.00	11.00	12.00	1.00	2.22	3.30	4.22	5.25	6.25	7.25	8.30	9.30	10.45	11.59
Ar. Roselle Park	1.10	6.50	7.50	8.40	10.10	11.10	12.10	1.10	2.32	3.40	4.32	5.35	6.35	7.35	8.40	9.40	10.55	12.09
		1803	1805	1807	1809	1811	1813	1815	1817	1819	1821	1823	1825	1827	1829	1831	1833	1835
Lv West 8th St. Bayonne	.....	c 6.29	c 7.24	c 8.21	c 9.35	c10.35	c11.30	e12.50	e 2.09	e 3.09	c 4.09	c 5.09	c 6.13	c 7.11	c 8.16	c 9.13	c10.14	c11.30
.. Elizabethport	.....	c 6.36	c 7.30	c 8.27	c 9.41	c10.41	c11.36	e12.56	e 2.15	e 3.15	c 4.15	c 5.15	c 6.19	c 7.17	c 8.22	c 9.19	c10.21	c11.36
.. Elizabeth	.....	c 6.40	c 7.34	c 8.31	c 9.45	c10.45	c11.40	e 1.00	e 2.19	e 3.19	c 4.19	c 5.19	c 6.23	c 7.21	c 8.26	c 9.23	c10.25	c11.40
.. Roselle	.....	.....	c 7.38	c 8.35	c 9.49	c10.49	c11.44	e 1.04	e 2.23	e 3.23	c 4.23	c 5.23	c 6.27	c 7.25	.....	.....	.....	.....
Ar Cranford	.....	6.49	7.43	8.40	9.54	10.54	11.49	1.09	2.28	3.28	4.28	5.28	6.32	7.30	8.35	9.32	10.34	11.49
Lv Cranford	1.15	6.55	7.55	8.45	10.15	11.15	12.15	1.15	2.37	3.45	4.37	5.40	6.40	7.40	8.45	9.45	11.00	12.14
.. Garwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.. Westfield	1.19	6.59	7.59	8.49	10.19	11.19	12.19	1.19	2.41	3.49	4.41	5.44	6.44	7.44	8.49	9.49	11.04	12.18
.. Fanwood	1.24	7.04	8.04	8.54	10.24	11.24	12.24	1.24	2.46	3.54	4.46	5.49	6.49	7.49	8.54	.....	.....	.....
.. Netherwood	.....	7.07	.....	.....	.....	.....	.....	1.27	.....	.....	4.49	.....	6.52	.....	.....	.....	.....	.....
.. Plainfield-No. Plainfield	1.29	7.10	8.09	8.59	10.29	11.29	12.29	1.31	2.51	3.59	4.52	5.54	6.55	7.54	8.59	9.57	11.12	12.26
Lv Grant Ave., Plainfield	.....	7.13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.58	.....	.....	.....	.....	.....
.. Dunellen	1.34	7.17	8.14	9.05	10.34	11.34	12.34	1.36	2.56	4.04	4.57	5.59	7.02	7.59	9.04	10.02	11.17	12.31
.. Bound Brook	1.40	7.23	8.20	9.12	10.40	11.41	12.40	1.43	3.02	4.10	5.03	6.05	7.08	8.05	9.10	10.08	11.23	12.37
.. Manville	.....	7.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.. Somerville	1.46	7.34	8.26	9.19	10.46	11.47	12.46	1.49	3.08	4.16	5.09	6.11	7.14	8.11	9.16	10.14	11.29	12.43
Ar Raritan	1.52	7.40	8.32	9.25	10.52	11.53	12.52	1.56	3.14	4.22	5.15	6.17	7.20	8.17	9.22	10.20	11.35	12.49

See Calco Note

FROM RARITAN	1872 AM	5502 AM	5504 AM	5506 AM	5508 AM	5510 AM	5512 AM	5514 AM	5516 PM	5518 PM	5520 PM	5522 PM	5524 PM	5526 PM	5528 PM	5530 PM	5532 PM	5534 PM	5536 PM
Lv Raritan	5.16	5.26	6.02	7.07	8.18	9.14	10.20	11.20	12.29	1.52	2.52	3.54	5.02	5.55	7.03	8.09	9.09	10.12	11.34
.. Somerville	5.20	5.29	6.06	7.11	8.21	9.17	10.23	11.23	12.32	1.56	2.56	3.58	5.06	5.59	7.07	8.13	9.13	10.16	11.38
.. Manville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.09	.....	.....	.....	.....	.....	.....
.. Bound Brook	5.26	5.35	6.13	7.17	8.27	9.23	10.29	11.29	12.38	2.02	3.02	4.04	5.17	6.05	7.13	8.19	9.19	10.22	11.44
.. Dunellen	5.32	5.41	6.19	7.23	8.33	9.29	10.35	11.35	12.44	2.08	3.08	4.10	5.23	6.11	7.19	8.25	9.25	10.28	11.50
.. Grant Ave., Plainfield	5.36	.....	6.23	7.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lv Plainfield-No. Plainfield	5.39	5.46	6.26	7.30	8.38	9.34	10.40	11.40	12.49	2.13	3.13	4.15	5.28	6.16	7.24	8.30	9.30	10.33	11.55
.. Netherwood	5.42	.....	6.29	7.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.. Fanwood	5.45	.....	6.32	7.36	8.43	9.39	10.45	11.45	12.54	2.18	3.18	4.20	5.33	6.21	7.29	.....	.....	.....	.....
.. Westfield	5.50	5.54	6.37	7.41	8.48	9.44	10.50	11.50	12.59	2.23	3.23	4.25	5.38	6.26	7.34	8.38	9.38	10.41	12.03
.. Garwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lv Cranford	5.54	5.58	6.41	7.45	8.52	9.48	10.54	11.54	1.03	2.27	3.27	4.29	5.42	6.30	7.38	8.42	9.42	10.45	12.07
		1872	1804	1806	1808	1810	1812	1814	1816	1818	1820	1822	1824	1826	1828	1830	1832	1834	2850
Lv Cranford	6.03	6.03	6.51	7.55	9.00	10.01	11.01	11.59	1.25	2.35	3.35	4.35	5.47	6.39	7.42	8.47	9.47	10.55	12.09
.. Roselle	6.09	c 6.09	c 7.01	c 8.00	c 9.05	c10.06	c11.06	e12.04	e 1.30	e 2.40	e 3.40	e 4.40	.....	.....	.....	.....	.....	.....	.....
.. Elizabeth	6.13	c 6.13	c 7.05	c 8.04	c 9.09	c10.10	c11.10	e12.08	e 1.34	e 2.44	e 3.44	e 4.44	e 5.56	e 6.48	e 7.51	e 8.56	e 9.56	c11.02	c12.17
.. Elizabethport	6.17	c 6.17	c 7.09	c 8.08	c 9.13	c10.14	c11.14	e12.12	e 1.38	e 2.48	e 3.48	e 4.48	e 6.00	e 6.52	e 7.55	e 9.00	c10.00	c11.06	c12.21
Ar West 8th St. Bayonne	6.23	c 6.23	c 7.15	c 8.14	c 9.19	c10.20	c11.20	e12.18	e 1.44	e 2.55	e 3.54	e 4.54	e 6.06	e 6.58	e 8.01	e 9.06	c10.06	c11.12	c12.27
Lv Roselle Park	.....	6.03	6.45	7.50	8.57	9.53	11.00	[illegible]	1.08	2.32	3.32	4.34	5.47	6.35	7.43	8.47	9.47	10.50	12.13
Ar Newark	.....	6.15	6.58	8.02	9.09	10.05	11.13	12.13	1.20	2.44	3.44	4.46	5.59	6.47	7.55	8.59	9.59	11.02	12.25
Lv Newark (PATH)	.....	6.20	7.05	8.05	9.20	10.20	11.20	12.20	1.35	2.50	3.50	4.50	6.05	6.50	8.05	9.05	10.05	11.05	1.00
Ar New York (World Trade Center)♦	.....	6.39	7.24	8.24	9.39	10.39	11.39	12.39	1.54	3.09	4.09	5.09	6.24	7.09	8.24	9.24	10.24	11.24	1.19
Lv Newark	.....	6.20	7.05	8.10	9.14	10.15	11.18	12.25	1.25	3.00	3.58	4.56	6.10	7.03	8.25	9.25	10.25	11.35	12.49
Ar New York (Penna Sta)♦	.....	6.35	7.20	8.27	9.30	10.30	11.33	12.42	1.42	3.15	4.15	5.13	6.25	7.18	8.40	9.42	10.42	11.52	1.06

♦Connecting train change at Newark – Connections not guaranteed
CConnecting Train—passengers from stations west of Cranford, change at Cranford—connection not guaranteed.

Calco—Westbound Saturday train 5503 stops at 7:25 AM
Eastbound Saturday train 5524 stops at 5:13 PM

HOLIDAYS—New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day

A Penna. Sta. New York Connection operated by Amtrak

MONDAYS thru FRIDAYS except HOLIDAYS (see NOTE below)

TO PHILLIPSBURG & PHILADELPHIA	5713 AM	5619 PM	5703 PM	5621 PM	5707 PM	5486 PM
Lv New York (Penna Sta.)◊	11.40	A4.32	5.03	5.20	5.37	8.10
Ar Newark	11.54	4.48	5.18	5.36	5.52	8.23
Lv New York (World Trade Center◊	11.32	4.25	5.04	5.19	5.34	8.02
Ar Newark (PATH)	11.50	4.43	5.23	5.38	5.53	8.20
Lv Newark	12.00	4.54	5.30	5.46	6.00	8.30
" Plainfield	12.29	.....	5.55	.....	.....	9.00
" Dunellen	12.34	.....	6.00	.....	.....	9.05
" Bound Brook	12.41	p5.28	6.07	p6.18	6.36	9.12
" Somerville	12.47	CRUSADER	6.14	WALL STREET	6.43	9.18
" Raritan	12.51		6.17		6.47	9.22
" North Branch	.....		6.23		6.53	9.28
" White House	1.30		6.30		7.00	9.35
" Lebanon	F1.09		6.36		7.06	F9.41
" Annandale	.....		6.42		7.12	9.48
" High Bridge	1.19		6.48		7.18	9.54
" Glen Gardner	.....		6.55		7.24	.....
" Hampton	1.31		7.01		7.30	.....
Ar Phillipsburg	1.52		7.20		7.50	.....
Lv Belle Mead	.....	5.40	.....	6.30	.....	.....
" Hopewell	.....	5.49	.....	6.39	.....	.....
Ar West Trenton	.....	6.01	.....	6.50	.....	.....
" Jenkintown	.....	6.23	.....	7.12	.....	.....
" Elkins Park	.....	6.26	.....	7.15	.....	.....
" Melrose Park	.....	6.28	.....	7.17	.....	.....
" Wayne Junction	.....	6.33	.....	7.22	.....	.....
" North Broad St.	.....	6.37	.....	7.26	.....	.....
Ar Reading Term'l (Phila.)	.....	6.43	.....	7.32	.....	.....

FROM PHILLIPSBURG & PHILADELPHIA	5708 AM	5600 AM	5712 AM	5602 AM	5726 PM
Lv Reading Term'l (Phila.)	.....	6.26	.....	7.36	.....
" North Broad St.	.....	6.34	.....	7.42	.....
" Wayne Junction	.....	6.39	.....	7.47	.....
" Melrose Park	.....	6.45	.....	.....	.....
" Elkins Park	.....	6.47	.....	.....	.....
" Jenkintown	.....	6.51	.....	7.56	.....
" West Trenton	.....	7.12	.....	8.17	.....
" Hopewell	.....	7.23	.....	8.28	.....
" Belle Mead	.....	7.32	.....	8.36	.....
Lv Phillipsburg	6.00	WALL STREET	6.40	CRUSADER	2.15
" Hampton	6.25		7.02		2.37
" Glen Gardner	6.30		7.07		.....
" High Bridge	6.35		7.12		2.48
" Annandale	6.41		7.18		.....
" Lebanon	6.47		7.24		F2.52
" White House	6.53		7.30		2.57
" North Branch	7.01		7.38		.....
" Raritan	7.07		7.46		3.12
" Somerville	7.10		7.49		3.16
" Bound Brook	7.17	d7.43	7.56	d8.47	3.22
" Dunellen	.....	.....	8.02	.....	3.28
" Westfield	.....	.....	8.13	.....	3.42
Ar Newark	7.50	8.19	8.33	9.21	4.03
Lv Newark (PATH)	7.57	8.24	8.39	9.26	4.14
Ar New York (World Trade Center)◊	8.16	8.43	8.58	9.44	4.33
Lv Newark	7.59	8.25	8.37	9.35	4.13
Ar New York (Penna. Sta.)◊	8.14	8.40	8.52	9.52	4.29

A REFRESHMENT CAR is assigned to the Wall Street and Crusader trains serving coffee, juice and pastry on morning trips and beverages in the evening.

NOTE—5602 and 5619 will not operate on Good Friday. 5600 and 5621 will operate on special schedule Washington's Birthday and Good Friday. Inquire for details.

AIRLINK air conditioned, mini-coaches operate daily every 20 minutes, 18 hours a day, between Newark Airport, Penn Station, Public Service Bus Terminal and Broad Street Station in downtown Newark. The fare is $1.00.

Subj. to Change	1 DAY ROUND TRIP, ONE WAY and COMMUTATION FARES							
	Between New York (Penna. Sta.) and				Between Newark and			
	1-Day Rd. Trip See Note	One Way	Monthly Comm.	12 Trip Weekly Comm.	1-Day Rd. Trip See Note	One Way	Monthly Comm.	Weekly Comm.
Newark	–	$1.00	$ 32.00	$ 9.00	–	–	–	–
Roselle Park	$2.70	1.80	50.00	15.00	$1.20	$ .80	$23.00	$ 7.00
Cranford	2.90	1.90	54.00	16.00	1.40	.90	27.00	8.00
Garwood	2.90	1.90	57.00	17.00	1.40	.90	30.00	9.00
Westfield	3.15	2.10	58.00	17.50	1.65	1.10	31.00	9.50
Fanwood	3.30	2.20	61.00	18.00	1.80	1.20	34.00	10.00
Netherwood	3.50	2.30	63.00	19.00	2.00	1.30	36.00	11.00
Plainfield	3.50	2.30	65.00	19.50	2.00	1.30	38.00	11.50
Dunellen	4.10	2.70	68.00	20.50	2.60	1.70	41.00	12.50
Bound Brook	4.70	3.10	72.00	21.50	3.20	2.10	45.00	13.50
Somerville	5.00	3.30	74.00	22.00	3.50	2.30	47.00	14.00
Raritan	5.10	3.40	75.00	22.50	3.60	2.40	48.00	14.50
North Branch	5.40	3.60	77.00	23.00	3.90	2.60	50.00	15.00
White House	6.00	4.00	80.00	24.00	4.50	3.00	53.00	16.00
Lebanon	6.50	4.30	81.00	24.00	5.00	3.30	54.00	16.00
Annandale	6.80	4.50	82.00	24.50	5.30	3.50	55.00	16.50
High Bridge	6.90	4.60	83.00	25.00	5.40	3.60	56.00	17.00
Hampton	7.40	4.90	86.00	25.50	5.90	3.90	59.00	17.50
Phillipsburg	9.30	6.20	100.00	30.00	7.80	5.20	73.00	22.00

Note: On weekdays 1-day round trip tickets may be used only as follows: Tickets to Newark and New York GOING are good only on trains arriving Newark after 9:15 AM and New York after 9:30 AM, RETURNING on trains leaving New York before 4:31 PM and after 6:30 PM, and leaving Newark before 4:46 PM and after 6:45 PM. Tickets sold from New York and Newark GOING are good on trains leaving New York before 4:30 AM and after 8:45 AM, and leaving Newark before 4:45 AM and after 9:00 AM, RETURNING tickets are good on ALL trains. 1-day round trip tickets to and from stations North Branch to Phillipsburg are good on all Phillipsburg trains. Tickets are good only on date of sale. On Sat., Sun. and Holidays tickets are good on all trains on date of sale.

Tickets between other stations are good on all trains.

COMMUTATION TICKETS are non-transferable and are valid only for passage of the person whose signature is on the ticket.

CHILDREN under five years of age, accompanied by parent or guardian, will be carried free of charge, limit 1 per adult. Children five years of age and under 12, approximately one-half adult fare, children 12 and over, full fare.

SENIOR CITIZEN AND HANDICAPPED FARE

1. Persons (62 years of age or older) and handicapped persons, upon presentation of a New Jersey DOT reduced fare card, are eligible for reduced fares on ConRail trains between New York and stations in New Jersey.
2. Fare will be one-half of regular one-way fare.
3. Tickets will be honored on Mondays through Fridays when passenger boards a train scheduled to leave the *boarding* station between 9:30 A.M. and 4:00 P.M. or between 7:00 P.M. and 6:00 A.M. On Sat.-Sun. and holidays, tickets will be honored at all times.
4. Senior citizen and handicapped tickets will not be accepted on peak hour trains upon additional payment or otherwise.

GENERAL INFORMATION

The purchase of tickets before boarding trains is recommended by the railroad. If ticket office is open an additional charge of 25¢ must be made when fare is paid on train.

For ticket refunds and fare adjustments, communicate with Manager, Passenger Revenue—Accounts, ConRail, Ticket Refund Dept., 3025 Walnut St., Philadelphia, Pa., 19104. Should any question arise as to proper fare or ticket privileges, please pay fare requested and obtain receipt. Receipts and unused portions of tickets should be sent with request for adjustment or refund.

RESPONSIBILITY—ConRail cannot assume responsibility for inconvenience, expense or damage resulting from errors in timetables, delayed trains, failure to make connections, or for shortage of equipment. Schedules are subject to change without notice.

FOR INFORMATION CALL—201-643-0120
201-548-1413
212-736-6000

Your Tax Dollars Are Helping
To Support This Passenger Rail Service

TT103 4th CRC Ed.

1. Which schedule do you use on Saturday?

2. Which schedule do you use on Christmas?

3. Which schedule do you use on Sunday?

4. Which schedule dc you use on Lincoln's Birthday?

5. What trains run from New York to Philadelphia?

6. Does the New York - Philadelphia train stop in Raritan?

7. What is the earliest train I can take to get from Newark to Philadelphia? If I miss that train, when is the next one?

8. Can I go from Bound Brook to Trenton? What train?

9. Suppose I wanted to go from Plainfield to Philadelphia at around 5 p.m. Where could I transfer and how long would I wait?

10. What are the restrictions on a 1-day Round-Trip Ticket?

11. What are the rules for young children?

12. Does it make any difference if you buy a ticket on the train?

13. What train do I take from Newark to arrive in Plainfield near 6:00 p.m.?

14. What train do I take from Plainfield to get to a 12:30 appointment in Westfield?

15. What train do I take to get from Bound Brook to Garwood by 6:00 p.m.?

16. What train goes from Plainfield to arrive in Newark by 11:00 a.m.?

17. What train runs from Cranford to Plainfield, arriving by 8:00 p.m.?

18. What train do I take to go from Plainfield to Newark on a Saturday, arriving before 9:30 a.m.?

19. What do these symbols mean? ♦ C A ★ x
Find them on the chart.

20. I live in Raritan. I want to get to Plainfield to see the 4th of July Parade. The Parade starts at 10 a.m. What train do I take?

21. How much does a One-Way ticket from Newark to Plainfield cost?

22. Find these fares:
    a) New York City to Denellen, monthly
    b) Newark to Somerville, weekly
    c) Newark to Plainfield, 1-day Round-Trip
    d) New York to Netherwood, 12-trip weekly Commuter

23. Suppose you live in Cranford and commute to Newark for work. How much do you save between Cranford and Newark by buying a weekly commutation ticket instead of 10 1-way tickets? How much do you save with the weekly commutation ticket instead of 5 1-day round trip tickets? Why get the commutation ticket?

24. How can I get from Somerville to Newark Airport?

ANSWERS

1. "Saturdays and Washington's Birthday"
2. "Sundays and Holidays"
3. "Sundays and Holidays"
4. "Mondays thru Fridays except Holidays" Lincoln's Birthday is not one of the listed holidays.
5. #5619 #5621
6. No
7. The 5619 leaves Newark at 4:54 p.m. and arrives in Philadelphia at 6:43 p.m. The next train is the 5621 which leaves at 5:45 p.m. and gets to Philadelphia at 7:32 p.m.
8. The Philadelphia trains run to West Trenton: the 5619 leaves at 5:28 p.m. and arrives at 6:01 p.m.; the 5621 leaves at 6:18 p.m. and arrives at 6:50 p.m.
9. The 5703 would leave Plainfield at 5:55 and get to Bound Brook at 6:07. I could wait there 11 minutes, until 6:18, and catch the 5621 to Philadelphia.
10. The 1-day Round-Trip ticket cannot be used during certain hours (rush hours.)
11. Children under 5 with adult: free
    Children 5 - 12: half fare
12. If the ticket office is open, the ticket will cost 25¢ more on the train.
13. #5703 leaves Newark 5:30, arrives Plainfield 5:55
14. #5420 leaves Plainfield 11:49, arrives Westfield 11:59

ANSWERS

15. #5428 leaves Bound Brook 4:47, arrives Garwood 5:13

16. #5416 leaves Plainfield 9:59, arrives Newark 10:30

17. #5433 leaves Cranford 7:40, arrives Plainfield 7:58

18. #5508-1808 leaves Plainfield 8:38, arrives Newark 9:15

19. ♦ - Connecting train - change at Newark
    C - Connecting train - change at Cranford
    A - Penn. Station N.Y. - Connection run by Amtrak
    ★ - Return portion of 1-day Round Trip ticket Not good on this train
    x - Leaves from Westbound station

20. Use the chart for "Sundays and Holidays" since the 4th of July is Independence Day. The #5558 train leaves Raritan at 8:55 a.m. and gets to Plainfield at 9:16 a.m.

21. $1.30

22. a. - $68
    b. - $14
    c. - $2.00
    d. - $19

23. Cranford to Newark is $.90 one-way. $.90 x 10 = $9.00. The weekly commutation price is $8.00. You save $1.00.
    The round-trip ticket is $1.40. $1.40 x 5 = $7.00. The commutation ticket costs $1.00 more, but can be used at rush hour while the daily round-trip ticket cannot.

24. Take the train to Newark's Penn Station, then the Airlink mini-coach to Newark Airport.

READING A BUS SCHEDULE

READ THIS BUS SCHEDULE. Use it to answer the following questions:

TO NEW YORK					TO NEWARK INTERNATIONAL				
		NEWARK INTERNATIONAL AIRPORT Terminal A	NEWARK INTERNATIONAL AIRPORT Terminal B	NEWARK INTERNATIONAL AIRPORT North Terminal	NEW YORK Port Authority Terminal		NEW YORK Port Authority Terminal	NEWARK INTERNATIONAL AIRPORT Terminal A	NEWARK INTERNATIONAL AIRPORT Terminal B
Dly		5.30	5.32	5.38	5.55	Dly	6.15	6.40	6.42
Dly		6.30	6.32	6.38	6.55	Wk	W 6.45	7.10	7.12
Wk	W	7.00	7.02	7.08	7.28	Dly	7.15	7.40	7.42
SS	X	7.15	7.17	7.23	7.43	Wk	W 7.45	8.10	8.12
Wk	W	7.30	7.32	7.38	7.58	SS	X 8.00	8.25	8.27
Dly		8.00	8.02	8.08	8.28	Wk	W 8.15	8.40	8.42
Wk	W	8.30	8.32	8.38	8.58	Dly	8.45	9.10	9.12
Dly		8.45	8.47	8.53	9.13	Wk	W 9.15	9.40	9.42
Wk	W	9.00	9.02	9.08	9.28	Dly	9.30	9.55	9.57
Dly		9.30	9.32	9.38	9.58	Wk	W 9.45	10.10	10.12
Wk	W	10.00	10.02	10.08	10.28	Dly	10.15	10.40	10.42
SS	X	10.15	10.17	10.23	10.43	Wk	W 10.45	11.10	11.12
Wk	W	10.30	10.32	10.38	10.58	SS	X 11.00	11.25	11.27
Dly		11.00	11.02	11.08	11.28	Wk	W 11.15	11.40	11.42
ExS		11.30	11.32	11.38	11.58	Dly	11.45	12.10	12.12
Sat	WX	11.45	11.47	11.53	12.13	ExS	12.15	12.40	12.42
ExS		12.00	12.02	12.08	12.28	Sat	WX 12.30	12.55	12.57
Dly		12.30	12.32	12.38	12.58	ExS	12.45	1.10	1.12
ExS		1.00	1.02	1.08	1.28	Dly	1.15	1.40	1.42
Sat	WX	1.15	1.17	1.23	1.43	ExS	1.45	2.10	2.12
ExS		1.30	1.32	1.38	1.58	Sat	WX 2.00	2.25	2.27
Dly		2.00	2.02	2.08	2.28	ExS	2.15	2.40	2.42
ESS		2.15	2.17	2.23	2.43	Dly	2.45	3.10	3.12
ExS		2.30	2.32	2.38	2.58	Wk	3.00	3.25	3.27
Sat	WX	2.45	2.47	2.53	3.13	ExS	3.15	3.40	3.42
ExS		3.00	3.02	3.08	3.28	Sat	WX 3.30	3.55	3.57
Dly		3.30	3.32	3.38	3.58	ExS	3.45	4.10	4.12
ExS		4.00	4.02	4.08	4.28	Dly	4.15	4.40	4.42
Sat	WX	4.15	4.17	4.23	4.43	ExS	4.45	5.10	5.12
ExS		4.30	4.32	4.38	4.58	Sat	WX 5.00	5.25	5.27
Dly		5.00	5.02	5.08	5.28	ExS	5.15	5.40	5.42
ExS		5.30	5.32	5.38	5.58	Dly	5.45	6.10	6.12
Sat	WX	5.45	5.47	5.53	6.13	ExS	6.15	6.40	6.42
ExS		6.00	6.02	6.08	6.28	Sat	WX 6.30	6.55	6.57
Dly		6.30	6.32	6.38	6.58	ExS	6.45	7.10	7.12
ExS		7.00	7.02	7.08	7.28	Dly	7.15	7.40	7.42
Sat	WX	7.15	7.17	7.23	7.43	ExS	7.45	8.10	8.12
ExS		7.30	7.32	7.38	7.58	Sat	WX 8.00	8.25	8.27
Dly		8.00	8.02	8.08	8.28	ExS	8.15	8.40	8.42
ExS		8.30	8.32	8.38	8.58	Dly	8.45	9.07	9.09
Sat	WX	8.45	8.47	8.53	9.13	ExS	9.15	9.37	9.39
ExS		9.00	9.02	9.08	9.28	Sat	WX 9.30	9.52	9.54
Dly		9.30	9.32	9.38	9.58	ExS	9.45	10.07	10.09
ExS		10.00	10.02	10.08	10.25	Dly	10.15	10.37	10.39
Sat	WX	10.15	10.17	10.23	10.40	ExS	10.45	11.07	11.09
ExS		10.30	10.32	10.38	10.55	Sat	WX 11.00	11.22	11.24
Dly		11.00	11.02	11.08	11.26	ExS	11.15	11.37	11.39
ExS		11.30	11.32	11.38	11.55	Dly	11.45	12.07	12.09
Sat	WX	11.45	11.47	11.53	12.10	ExS	12.05	12.27	12.29
ExS		12.00	12.02	12.08	12.25	Sat	WX 12.15	12.37	12.39
Dly		12.45	12.47	12.53	1.10	ExS	12.30	12.52	12.54
ExS		1.40	1.42	1.48	2.05	Dly	1.15	1.37	1.39
Dly		2.35	2.37	2.43	3.00				

A.M. - Light face type SUBJECT TO CHANGE P.M. - Bold face type

. . . NOTES . . .

Dly - Daily
ESS - Daily except Saturday and Sunday
ExS - Daily except Saturday
Sat - Saturday only
SS - Saturday and Sunday only
WK - Weekday only
WkS - Weekday and Saturday only

W - Will not operate on Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Christmas Day and New Years' Day.

X - Will not operate on Lincoln's Birthday, Good Friday, Columbus Day, Election Day, Veterans' Day.

Sunday schedule will operate on Washington's Birthday.

Transport of New Jersey is the nation's largest privately owned mass transit bus company operating in 20 of New Jersey's twenty one counties.

TNJ also provides Charter and Special Services — to race tracks, the theatre, seashore resorts, educational, recreational and cultural sites and packaged one and multiple day tours

For further information, call
(201) 624-6623
(212) 564-6863

QUESTIONS:

1. What stops are connected by this bus line?
2. What does DLY mean?
3. What does WK mean?
4. Does a DLY bus run on Sunday?
5. Does a WK bus run on Sunday?
6. When does a Sat bus run?
7. Does a WkS bus run on Sunday?
8. Does an ExS bus run on Tuesday?
9. On a Tuesday my plane will arrive at Newark Airport's Terminal A at 12:45 p.m.
   a) When can I catch a bus to New York?
   b) When will I arrive in New York?
   c) If I miss the first bus, when is the next bus?
10. On a Saturday I will arrive at Newark Airport Terminal B at 5:00 p.m. What bus to New York should I get? When will I get there?
11. What bus from New York should I take in order to get to the Airport's Terminal B for an 8:30 p.m. flight on a Wednesday evening?
12. What bus from New York should I take in order to make a 10:30 flight on Saturday morning from Terminal A?
13. I will arrive at Newark Airport's North Terminal at 10 minutes before midnight, Thursday. My friend is meeting me at Port Authority in New York. When will I get there?
14. My sister is flying home for Christmas. She will arrive at Newark Airport's Terminal A at 10:15 a.m. on December 25. When will she get to New York?
15. I have to catch a Friday 2:40 p.m. flight from Terminal B. What is the last bus from New York that will get me there on time?

READING A BUS SCHEDULE: ANSWERS

1. Port Authority Bus Terminal in New York and Newark Airport, Terminals A and B and North Terminal.
2. DLY means daily - every day
3. WK means weekdays (Monday - Friday)
4. Yes
5. No
6. Only on Saturday
7. No - weekday and Saturday only
8. Yes - every day except Saturday
9. a) You can catch a bus at 1:00 (ExS) and
   b) get to New York at 1:28
   c) The next bus is at 1:30 (ExS)
10. The 5:32 bus does not run on Saturdays. The 5:47 Saturday only bus will get you to New York at 6:13
11. The 7:45 (ExS) bus will get you to Terminal B at 8:12
12. The 9:30 bus from New York (DLY) will get you to Terminal A at 9:55
13. There is a 12:08 bus from the North Terminal that gets to New York at 12:25
14. The 10:30 bus does not operate on Christmas. She'll have to catch the 11:00 bus and get to New York at 11:28
15. The bus arriving at 2:27 is Saturdays only, so you'll have to take the 1:45 (ExS) bus which gets you there at 2:12

Figuring out how long something lasts takes a special type of math. Here are a few tips to make it easier.

To find the distance between two times, follow these steps.

First, count up the number of whole hours.
Between 9 and 11, for instance are 2 hours.
(11 - 9 = 2)

If you go past noon or midnight, keep counting.
9 a.m. to 1.p.m. = 4 hours (9 to 12 = 3 hours
12 to 1 = 1 hour.) (3 + 1 = 4).

A whole hour doesn't need to start at the exact hour.
9:18 to 11:18 is 2 hours.

When you come to within an hour of the final time, count to the next nearest hour. To count to the nearest hour, subtract the minutes from 60.

EXAMPLE: 9:45 to 1:00
9:45 to 12:45 = 3 hours
12:45 to 1:00 = 15 minutes (60 - 45)
3 1/4 hours total

Next figure the number of minutes by subtracting.

EXAMPLE: 3:12 to 5:25
3:12 to 5:12 = 2 hours
5:12 to 5:25 = 12 minutes (25 - 12 = 13)

For some problems you will have to use all these skills.

EXAMPLE: 3:25 a.m. to 1:08 p.m.
3:25 to 12:25 = 9 hours
12:25 to 1:00 = 35 minutes → 60 - 25 = 35
1:00 to 1:08 = 8 minutes
9 hours 43 minutes

EXAMPLE: 6:16 to 9:11
6:16 to 8:16 = 2 hours
8:16 to 9:00 = 44 minutes → 60 - 16 = 44
9:00 to 9:11 = 11 minutes
2 hours 55 minutes

EXAMPLE: 7:12 to 9:35
7:12 to 9:12 = 2 hours
9:12 to 9:35 = 23 minutes → 35 - 12 = 23
2 hours 23 minutes

Between any hour in the morning and that same hour in the evening, there are 12 hours. Between 9:30 a.m. and 9:30 p.m., for instance, there are 12 hours. You may use this fact to solve some problems.

EXAMPLE:

7:45 a.m.	to	1:35 a.m.				
7:45 a.m.	to	7:45 p.m.	=	12 hours		60
7:45 p.m.	to	12:45 a.m.	=	5 hours		-45
12:45 a.m.	to	1:00 a.m.	=	15 minutes	→	15
1:00 a.m.	to	1:35 a.m.	=	35 minutes		
				17 hours 50 minutes		

How long are these trips:

1.	Dep.	9:30 a.m.	Arr.	10:05 a.m.
2.	Dep.	7:08 a.m.	Arr.	11:26 a.m.
3.	Dep.	12:02 p.m.	Arr.	9:36 p.m.
4.	Dep.	5:57 p.m.	Arr.	12:36 a.m.
5.	Dep.	10:39 a.m.	Arr.	2:46 p.m.
6.	Dep.	3:49 p.m.	Arr.	4:06 p.m.
7.	Dep.	8:30 a.m.	Arr.	8:57 a.m.
8.	Dep.	11:52 a.m.	Arr.	1:02 a.m.
9.	Dep.	6:51 a.m.	Arr.	3:16 p.m.
10.	Dep.	1:29 p.m.	Arr.	2:14 p.m.
11.	Dep.	2:46 a.m.	Arr.	2:49 p.m.
12.	Dep.	6:34 p.m.	Arr.	5:27 a.m.
13.	Dep.	12:27 p.m.	Arr.	3:56 p.m.
14.	Dep.	12:45 p.m.	Arr.	6:29 p.m.
15.	Dep.	10:56 a.m.	Arr.	10:56 p.m.
16.	Dep.	9:27 a.m.	Arr.	3:45 a.m.

ANSWERS

How long are these trips:

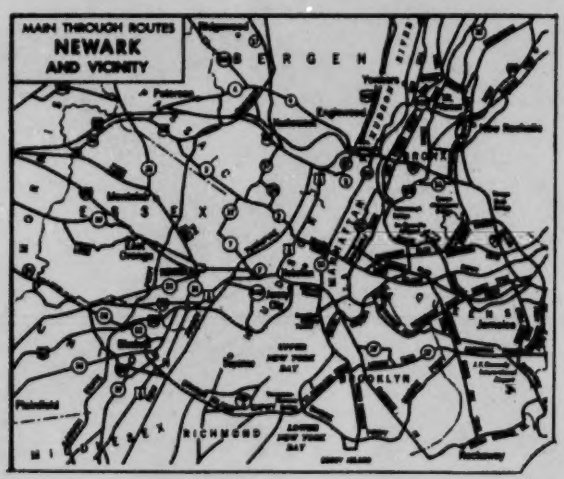
1.	Dep.	9:30 a.m.	Arr.	10:05 a.m.	35 min.
2.	Dep.	7:08 a.m.	Arr.	11:26 a.m.	4 hr. 18 min.
3.	Dep.	12:02 p.m.	Arr.	9:36 p.m.	9 hr. 34 min.
4.	Dep.	5:57 p.m.	Arr.	12:36 a.m.	6 hr. 39 min.
5.	Dep.	10:39 a.m.	Arr.	2:46 p.m.	4 hr. 7 min.
6.	Dep.	3:49 p.m.	Arr.	4:06 p.m.	17 min.
7.	Dep.	8:30 a.m.	Arr.	8:57 a.m.	27 min.
8.	Dep.	11:52 a.m.	Arr.	1:02 a.m.	13 hr. 10 min.
9.	Dep.	6:51 a.m.	Arr.	3:16 p.m.	8 hr. 25 min.
10.	Dep.	1:29 p.m.	Arr.	2:14 p.m.	45 min.
11.	Dep.	2:46 a.m.	Arr.	2:49 p.m.	12 hr. 3 min.
12.	Dep.	6:34 p.m.	Arr.	5:27 a.m.	10 hr. 53 min.
13.	Dep.	12:27 p.m.	Arr.	3:56 p.m.	3 hr. 29 min.
14.	Dep.	12:45 p.m.	Arr.	6:29 p.m.	5 hr. 44 min.
15.	Dep.	10:56 a.m.	Arr.	10:56 p.m.	12 hr.
16.	Dep.	9:27 a.m.	Arr.	3:45 a.m.	18 hr. 18 min.

MAPS

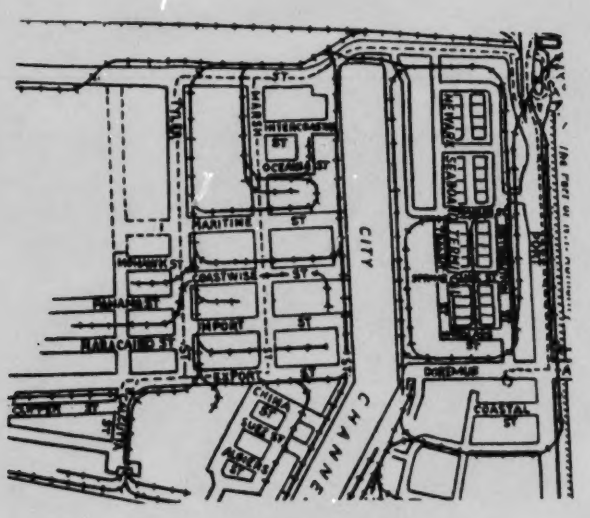
A map shows where things are. It is a diagram of a place, showing cities, streets, parks, lakes, boundaries, and so on. A map can cover a large area, like a country or a state, or a small area, like a town or a neighborhood. You could even make a "map" of your room.

GET IN LINE

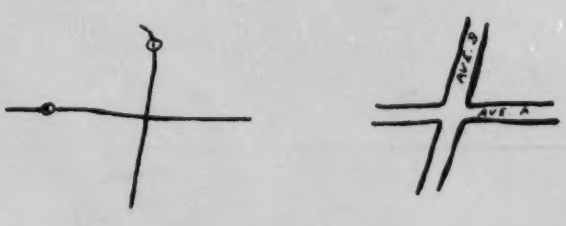
To read a map, pretend you are in the air looking straight down. Roads will look like lines. Usually the lines will be single like this:



On maps of smaller areas, which can show more detail, the lines will often be double, like this:



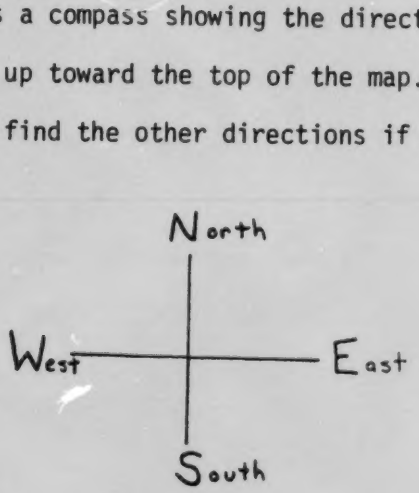
The place where two roads cross is called an intersection. An intersection can look like a cross:



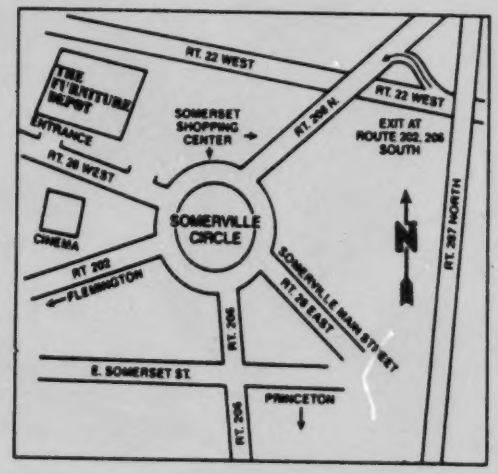
Or it may be at an angle:

Directions

To use a map, you must understand how the directions go. On most maps there is a compass showing the direction North. Usually north is straight up toward the top of the map. Once you know where north is, you can find the other directions if you remember this key:



Use this map to practice your directions:



EXERCISE I

1. What is the most northern road on the map?
2. What road is farthest to the east?
3. In which direction does Princeton lie?
4. The Cinema is in what part of the map?
5. To go south from the Somerville Circle, what road would you take?
   Fill in the blank with a direction: north, south, east, west.
6. Flemington is _____ of the Somerville Circle.
7. To get to Rt. 22 from the Somerville Circle, go _____ on Rt. 206 N.
8. To reach The Furniture Depot, go _____ from the Somerville Circle.
9. The Cinema is _____ of the Furniture Depot.
10. To get to the Somerset Shopping Center from Princeton, go _____ on Rt. 206.
11. The Shopping Center is _____ of the Circle.
12. To get from Flemington to the Circle, go _____ on Rt. 202.
13. To get from the Cinema to Rt. 287, you must go _____.
14. To get from Rt. 287 to the Furniture Depot, go _____ on Rt. 22.

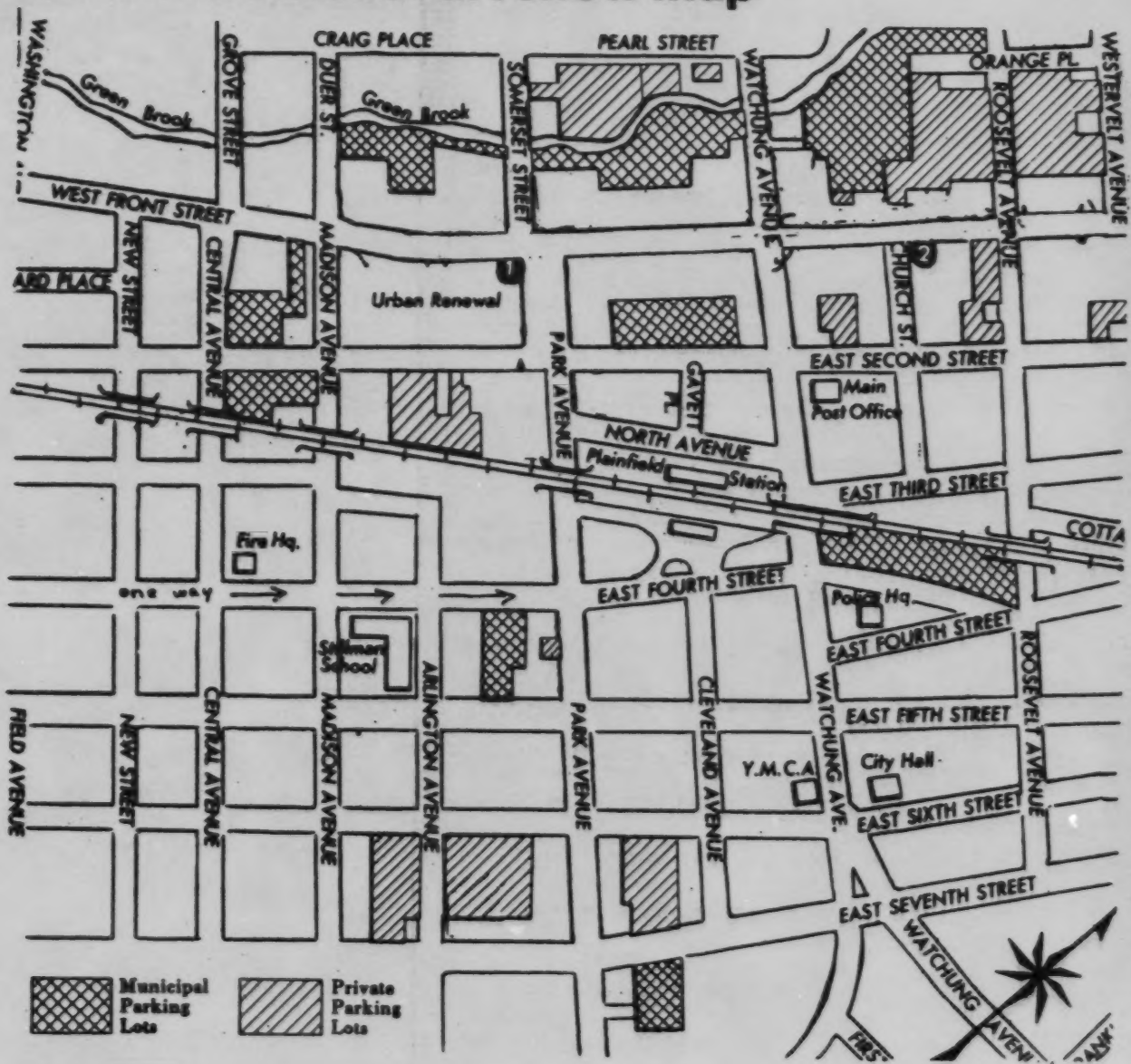
To use a city map, it is helpful to imagine yourself walking down the street. Which way am I facing? Which way do I turn? How do I get from here to there?

FOR EXAMPLE, look at the Plainfield Outdoor Art Show map. Suppose you were at the Registration Desk (where the number 1 is on the map, on the corner of Front Street and Park Avenue) and wanted to get to the Main Post Office. You would go east on Front Street to Watchung Avenue, turn right, then go one block to the Post Office, which would be on your left.

TRY ANOTHER EXAMPLE. Suppose you were at the Y.W.C.A. (where the number 2 is on the map, on Front Street and Church Street) and wanted to go to Stillman School on Arlington Avenue. You would go west on Front Street to Park Avenue, turn left, go down to Fifth Street, make a right, and go one block to Arlington Avenue. If you were walking you could turn on Fourth Street instead of Fifth. In a car, however, you would have to go all the way to Fifth Street, since Fourth Street is a one-way street.

It takes some practice to get the directions right. Practice using the Plainfield Outdoor Art Show map by answering the questions in Exercise 2.

Plainfield outdoor art show map



(1) Registration desk

(2) YWCA

EXERCISE 2

Fill in the blank with "right" or "left".

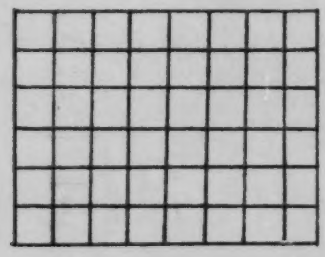
1. To get from Cleveland Avenue to Police Headquarters, make a _____ turn on East Fourth Street.
2. To get from East Third Street to the Post Office, make a _____ on to Watchung Avenue.
3. You are at Fire Headquarters on East Fourth Street. You want to get to City Hall. You will make a _____ turn on Watchung Avenue.
4. Coming down Watchung Avenue, you make a _____ turn to get on North Avenue.
5. To get from Grove Street to Watchung Avenue, make a _____ on West Front Street.

Answer these questions:

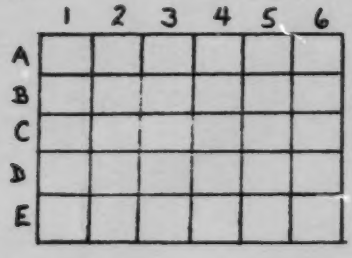
6. You are at the Y.W.C.A. on the corner of Front Street and Church Street. How do you get to the Y.M.C.A. on Watchung Avenue?
7. How do you get from the Plainfield Railroad Station to City Hall?
8. The Adult Learning Center is on the corner of East Fifth Street and Roosevelt Avenue. If I park in the municipal parking lot on East Seventh Street near Park Avenue, what are three routes I might take to walk to the Adult Learning Center?

Getting the Grid

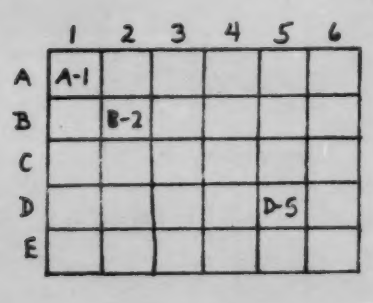
How do you find things on a map? Suppose you wanted to visit a friend on Edwin Place in Plainfield. Do you have to search the whole map in order to find Edwin Place? Most maps use a grid system to help you find things. The map is divided into squares:



The squares are numbered along one edge and lettered along the other:



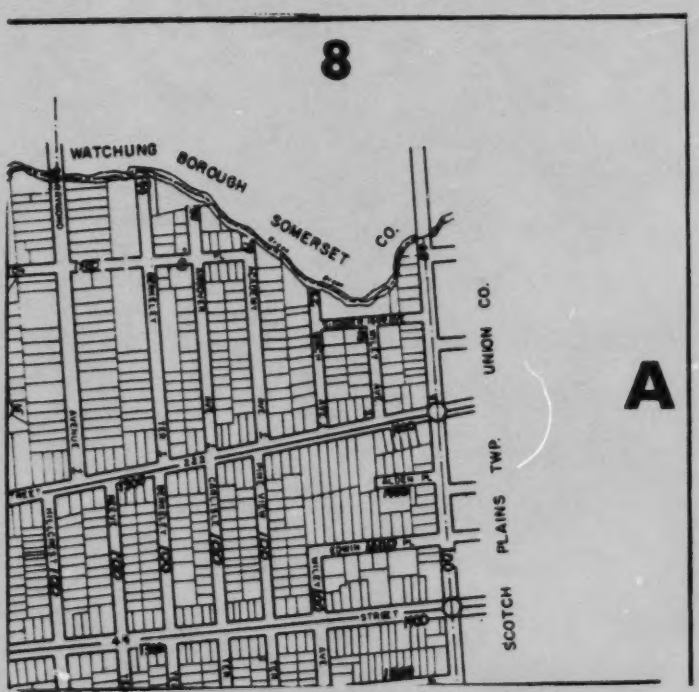
To find a particular square on the grid, find the square where the letter and number intersect. On the chart just above, find square B-2. Find A-1. Find D-5. Check yourself:



To find a place on a map, look in the Index to see what code on the grid is listed for that place. In the Index, places will be listed in alphabetical order. Find Edwin Place in this index:

DORSEY PL.	C-7
DRYDEN PL.	B-8
DUMAS AVE.	C-3
EAGLE PL.	B-7
EDGEWOOD AVE.	C-5
EDWIN PL.	A-8
EIGHTH ST., WEST	C-3-5
ELAINE CT.	C-3
ELLSWORTH CT.	D-5
ELMWOOD PL.	B-4
EMERSON AVE.	B-7
EMMA ST.	A-2
ESSEX ST.	B-4
EVERETT PL.	A-2
EVERGREEN AVE.	C-5
EVONA AVE.	B-2
FARRAGUT RD.	A-7
FAYETTE PL.	D-5
FERNWOOD AVE.	D-7
FERNWOOD LA.	D-7
FIELD AVE.	C-4
FIFTH ST., EAST	B-5,6
FIFTH ST., WEST	B-2,3,4,5
FILLMORE AVE.	B-6
FIRST PL.	C-5
FIRST ST.	A-1
FLORENCE AVE.	E-5
FLORENCE ST.	A-2
FOREST HILL	C-7
FOURTH ST., EAST	B-5
FOURTH ST., WEST	B-1-4
FRACE AVE.	B-1,2
FRANCES LA.	C-4
FRANKLIN PL.	B,C-6
FREDERICK ST.	D-8
FRONT ST., EAST	B-5→A-8
FRONT ST., WEST	A-1→B-5
GALBRAITH PL.	B-2
GARDEN ST.	C-6,7
GARFIELD AVE.	B-7
GAVETT PL.	B-5
GENEVA PL.	B-8

You can see that the code for Edwin Place is A-8.



Next, look in Square A-8 to find Edwin Place. You still have to search, but searching a small square is easier than searching the whole map.

EXERCISE 3

Use the map and street index section on the following page to find these streets:

Johannis Place

Division Avenue

Abbond Court

Astor Place

Clinton Avenue

Clinton Place

Grace Place

Leslie Avenue

Bergen Street

Jefferson Avenue

Bradford Street

Church Place

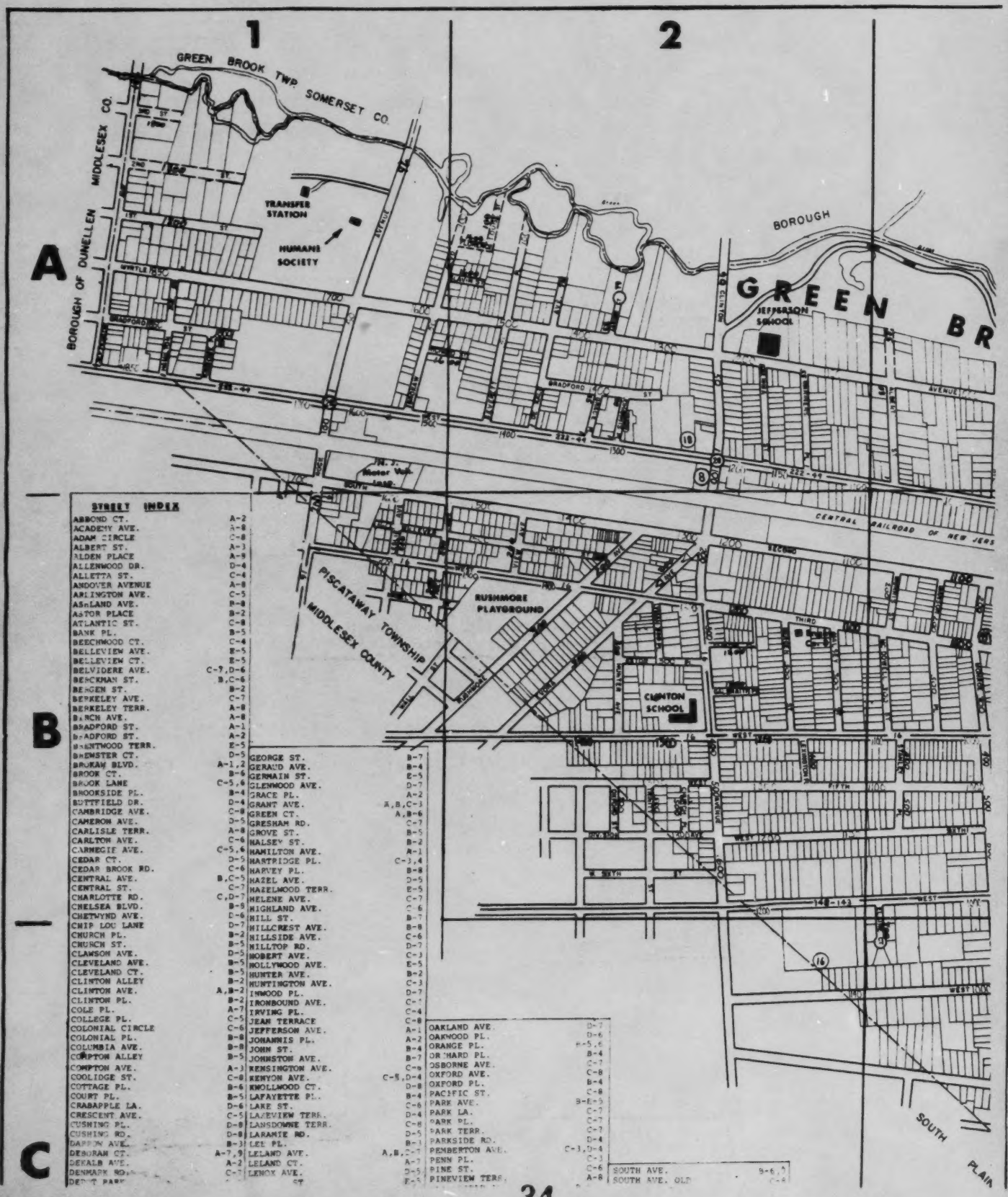
Halsey Street

Hunter Avenue

De Kalb Avenue

Hamilton Avenue

Albert Street


1
2
A
B
C
GREEN BROOK TWP. SOMERSET CO.
MIDDLESEX CO.
BOROUGH OF DUNELLEN
TRANSFER STATION
HUMANE SOCIETY
BOROUGH
GREEN BR
JEFFERSON SCHOOL
BRADFORD ST.
CENTRAL RAILROAD OF NEW JERS
PISCATAWAY TOWNSHIP
MIDDLESEX COUNTY
RUSHMORE PLAYGROUND
CLINTON SCHOOL
SOUTH PLAIN
STREET INDEX
ABBOND CT. A-2
ACADEMY AVE. A-8
ADAM CIRCLE C-8
ALBERT ST. A-1
ALDEN PLACE A-8
ALLENWOOD DR. D-4
ALLETTA ST. C-4
AMDOVER AVENUE A-8
ARLINGTON AVE. C-5
ASHLAND AVE. B-8
ASTOR PLACE B-2
ATLANTIC ST. C-8
BANK PL. B-5
BEECHWOOD CT. C-4
BELLEVIEW AVE. E-5
BELLEVIEW CT. E-5
BELVIDERE AVE. C-7,D-6
BENCKMAN ST. B,C-6
BERGEN ST. B-2
BERKELEY AVE. C-7
BERKELEY TERR. A-8
BIRCH AVE. A-8
BRADFORD ST. A-1
BRADFORD ST. A-2
BRENTWOOD TERR. E-5
BREWSTER CT. D-5
BROKAW BLVD. A-1,2
BROOK CT. B-6
BROOK LANE C-5,6
BROOKSIDE PL. B-4
BUTTFIELD DR. D-4
CAMBRIDGE AVE. C-8
CAMERON AVE. D-5
CARLISLE TERR. A-8
CARLTON AVE. C-6
CARNEGIE AVE. C-5,6
CEDAR CT. D-5
CEDAR BROOK RD. C-6
CENTRAL AVE. B,C-5
CENTRAL ST. C-1
CHARLOTTE RD. C,D-7
CHELSEA BLVD. B-9
CHETWYND AVE. D-6
CHIP LOU LANE D-7
CHURCH PL. B-2
CHURCH ST. B-5
CLAWSON AVE. D-5
CLEVELAND AVE. B-5
CLEVELAND CT. B-5
CLINTON ALLEY B-2
CLINTON AVE. A,B-2
CLINTON PL. B-2
COLE PL. A-7
COLLEGE PL. C-5
COLONIAL CIRCLE C-6
COLONIAL PL. B-8
COLUMBIA AVE. B-8
COMPTON ALLEY B-5
COMPTON AVE. A-3
COOLIDGE ST. C-8
COTTAGE PL. B-6
COURT PL. B-5
CRABAPPLE LA. D-6
CRESCENT AVE. C-5
CUSHING PL. D-8
CUSHING RD. D-8
DAPPEN AVE. B-3
DEBORAH CT. A-7,9
DEKALB AVE. A-2
DENMARK RD. C-7
DEPOT PARK ST.
GEORGE ST. B-7
GERAUD AVE. B-4
GERMAIN ST. E-5
GLENWOOD AVE. D-7
GRACE PL. A-2
GRANT AVE. A,B,C-3
GREEN CT. A,B-6
GRESHAM RD. C-7
GROVE ST. B-5
HALSEY ST. B-2
HAMILTON AVE. A-1
HARTRIDGE PL. C-3,4
HARVEY PL. B-8
HAZEL AVE. D-5
HAZELWOOD TERR. E-5
HELENE AVE. C-7
HIGHLAND AVE. C-6
HILL ST. B-7
HILLCREST AVE. B-8
HILLSIDE AVE. C-6
HILLTOP RD. D-7
HOBART AVE. C-3
HOLLYWOOD AVE. E-5
HUNTER AVE. B-2
HUNTINGTON AVE. C-3
INWOOD PL. D-7
IRONBOUND AVE. C-1
IRVING PL. C-4
JEAN TERRACE C-8
JEFFERSON AVE. A-1
JOHANNIS PL. A-2
JOHN ST. B-4
JOHNSTON AVE. B-7
KENSINGTON AVE. C-9
KENYON AVE. C-8,D-4
KNOLLWOOD CT. D-8
LAFAYETTE PL. B-4
LAKE ST. C-6
LAKEVIEW TERR. D-4
LANSDOWNE TERR. C-8
LARAMIE RD. D-5
LEE PL. B-1
LELAND AVE. A,B,C-7
LELAND CT. A-7
LENOX AVE. D-5
E-5
OAKLAND AVE. D-7
OAKWOOD PL. D-6
ORANGE PL. B-5,6
ORCHARD PL. B-4
OSBORNE AVE. C-7
OXFORD AVE. C-8
OXFORD PL. B-4
PACIFIC ST. C-8
PARK AVE. B-E-5
PARK LA. C-7
PARK PL. C-7
PARK TERR. C-7
PARKSIDE RD. D-4
PEMBERTON AVE. C-3,D-4
PENN PL. C-3
PINE ST. C-6
PINEVIEW TERR. A-8
SOUTH AVE. B-6,7
SOUTH AVE. OLD C-8

THE KEY

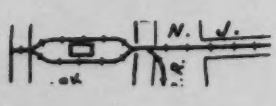
Most maps give you more information than roads and routes. They use a variety of symbols to give information. The symbols are listed in a "key" or list of symbols and their meanings. Here is one example of a key:

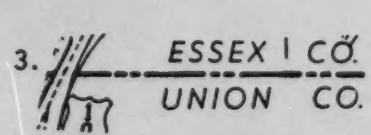
The key lists different types of boundaries (city and county); different types of roads; railroads; facilities like golf courses and cemeteries.

EXERCISE 4

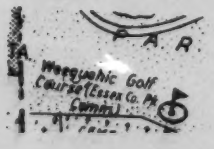
Use the key to identify each item:

1.

2. 

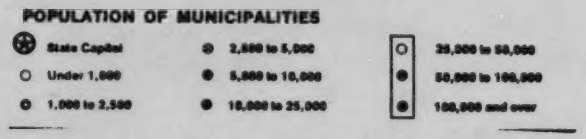
3. 

4.

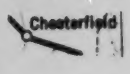
5. 

6.

The Key may also list other types of information. Many keys have a code to show the population of cities, like this:



To use the code, see what kind of symbol is used for a particular city, for example:



Then look up that symbol on the key. You can see that Chesterfield has under 1,000 people.

TRY TO FIND THE SYMBOLS for Glassboro, Aura, and Monroeville in this example:

Did you find that Glassboro had 10,000 to 25,000 people? And that Aura and Monroeville each had less than 1,000 people? Then you're ready for the next exercise.

EXERCISE 5

Use the map on the following page to find the populations of these cities and towns: (use the key on page 13 to interpret the symbols)

The grid-code which follows each name will help you find the cities on the map.

1.	Rumson	D-2	14.	Belmar	C-3
2.	Red Bank	C-2	15.	Interlaken	C/D-3
3.	Sea Girt	C-4	16.	Neptune	C-3
4.	Lakewood	B-4	17.	Spring Lake	D-4
5.	Island Heights	C-6	18.	Lakehurst	A-5
6.	Monroe	A-2	19.	Jerseyville	B-3
7.	Jamesburg	A-2	20.	Point Pleasant	C-4
8.	Spotswood	A-2	21.	Eatontown	C-2
9.	South River	A-1	22.	Howell	B-4
10.	Freehold	B-3	23.	Englishtown	A-2
11.	Asbury Park	D-3	24.	Pine Beach	C-6
12.	Deal	D-3	25.	Little Silver	C-2
13.	South Belmar	C-4	26.	Marlboro	B-2

A
B
C
D
1
2
3
4
5
6
Raritan Bay
Sayreville
South River
East Brunswick
Old Bridge
Spotswood
Matawan
Keyport
Union Beach
Laurence Harbor
Cliffwood
Keansburg
East Keansburg
Port Monmouth
Belford
Leonardo
Atlantic Highlands
SANDY HOOK NAT'L PARK
FORT HANCOCK
NAVESINK LIGHTHOUSE
Highlands
Highlands Beach
Navesink
New Monmouth
Middletown
Red Bank
Shrewsbury
Fair Haven
Little Silver
Monmouth Beach
Long Branch
Eatontown
Oceanport
West Long Branch
Sea Bright
Rumson
Oakhurst
Ocean
Deal
Allenhurst
Loch Arbour
Asbury Park
Ocean Grove
Bradley Beach
Avon-By-The-Sea
Belmar
Spring Lake
Spring Lake Heights
Sea Girt
Manasquan
Pt. Pleasant Beach
Pt. Pleasant
Bay Head
Mantoloking
Normandy Beach
Lavallette
Ortley Beach
Seaside Heights
Seaside Park
Tinton Falls
Wayside
Wall
Neptune
Neptune City
Wanamassa
Interlaken
Freehold
Millstone
Manalapan
Englishtown
Jamesburg
Monroe
Holmdel
Hazlet
Middletown
Marlboro
Morganville
Wickatunk
Robertsville
Colts Neck
Scobeyville
Vanderburg
Lincroft
Clover Hill
Tennent
Old Tennent Church
Millhurst
Jerseyville
Adelphia
Freehold Raceway
Ardena
Farmingdale
Howell
Squankum
Fort Plains
Freewood Acres
Holmdel
Georgia
Siloam
Smithburg
Sweetman
Perrineville
Carrs Corner
Mounts Mills
Gordons Corners
Hilladale
Bradevelt
Jackson Mills
Jackson
Southard
Lakewood
Greenville
Whitesville
Cassville
Vanhiseville
Herbertsville
Brielle
Brick
Brick Town
Cedarwood Park
Metedeconk
Adamston
Cedar Bridge
Bridgeboro
Osbornville
Woods Shore
Shore Acres
Silverton
Dover
Pleasant Plains
Lakehurst
U.S. Naval Air Station
Manchester
Whiting
Crestwood Village
Keswick Grove
South Toms River
Toms River
Cedar Grove
Gilford Park
Bay Shore
Oyster Creek
Pine Beach
Ocean Gate
Cedar Bridge
Oakland Heights
Bay
OCEAN
Raritan Bay
Freehold Raceway
Fort Monmouth
Naval Ammunition Depot
Garden State Arts Center
Telegraph Hill Park
Marlboro State Hospital
Monmouth College
Monmouth Park Race Track
Ocean County College
Georgian Court College
Brookdale Community College
Jamesburg Training School for Boys
Prospertown Lake Fish and Wildlife Management Area
Butterfly Pond Fish and Wildlife Management Area
Colliers Mills Wildlife Management Area
Manchester Fish and Wildlife Management Area
Veterans of All Wars Memorial Historic Site
Molly Pitcher Well
Double Trouble State Park
Turnbull Residential Group Center
Child Treatment Center
Cheesequake State Park
Garden State Parkway
Turnpike
Route 9
Route 18
Route 34
Route 35
Route 36
Route 37
Route 70
Route 71
Route 88
Route 138

ABBREVIATIONS

A map has to put a lot of information into a very small area. To save space, most maps use a lot of abbreviations. An abbreviation is a shortened form of a word: New Jersey is abbreviated as N. J.; street is abbreviated St. It will be easier to read maps if you practice reading some common abbreviations:

EXERCISE 6

MATCH EACH ABBREVIATION with the word it stands for:

rte.	Road
S.	building
R.	North
Dr.	information
jct.	bypass
W.	South
N.	institution
info.	alternate
Rd.	Drive
U. S.	Parkway
Pl.	Street
E.	junction
St.	United States
cap.	park
R. R.	hospital
bldg.	Avenue
pk.	River
Ave.	East
Pkwy.	Place
alt.	railroad
byp.	West
inst.	capital
hosp.	route

SCALE

"Scale" is a word used to describe the distance covered on a map. Since a map is a small diagram of a large area, it has to show things in smaller size. If a map drew a line a mile long to represent a road one mile long, the map would have to be as big as the area it represented! Instead, a map uses a scale where an inch on the map equals a certain distance on the earth. On a map of a small area, an inch may represent 1,000 feet; when the map has to show a larger area, an inch may represent a mile, or ten miles, or even 100 miles.

Here are two examples of a scale:

A. Scale in feet (approximate)

B. Scale in miles

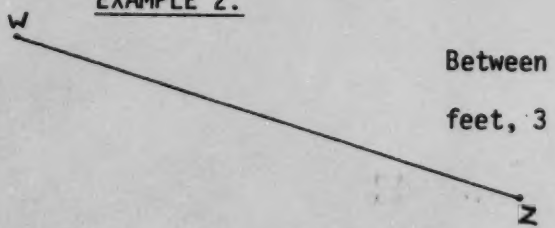
One inch equals approximately 4 miles

To use the scale, measure the distance between two points on the map. Then multiply times the scale for that distance. These examples are for Scale A., where one inch = 1000 feet.

EXAMPLE 1.

Between X and Y is 1 inch. On the scale, we see that 1 inch = 1000 feet. The distance between X and Y is thus 1000 feet.

EXAMPLE 2.



Between W and Z is 3 inches. Since 1 inch = 1000 feet, 3 inches = 3 x 1000 feet or 3000 feet.

SCALING DOWN

To figure distances of less than 1 inch you can either use a fraction or divide. For instance, half an inch would be:

$\frac{1}{2} \times \frac{1000}{1} = 500$; or to find half, divide by 2: $2\overline{)1000}$ 500

To find 1/4 inch: $\frac{1}{4} \times \frac{1000}{1} = 250$ or $4\overline{)1000}$ 250

To find 3/4 inch: $\frac{3}{4} \times \frac{250}{\frac{1000}{1}} = 750$ or a) $4\overline{)1000}$ 250 b) $\begin{array}{r} 250 \\ \times\ 3 \\ \hline 750 \end{array}$

EXAMPLE 3

Between a and b is 2½ inches. Since 1 inch = 1000 feet,

2½ inches = 2½ x 1000 feet or 2500 feet; or

2 inches = 2000 feet, plus ½ inch = 500 feet; 2000 + 500 = 2500.

EXERCISE 7

Using a scale of one inch = 1000 feet, find the distances represented by these measurements:

1. 1 inch
2. 2 inches
3. ½ inch
4. ¼ inch
5. 1¼ inches
6. 7 inches
7. 3/4 inch
8. 1/8 inch
9. 3/8 inches
10. 7/8 inch
11. 2 3/4 inches
12. 1 7/8 inches

EXERCISE 8

FIND THE DISTANCE BETWEEN THESE POINTS, using the scale shown:

scale in feet

1. A ——— B

2. C ——————— D

3. E ——————————————————— F

4. G ——— H

5. J ——— K

6. L ——— M

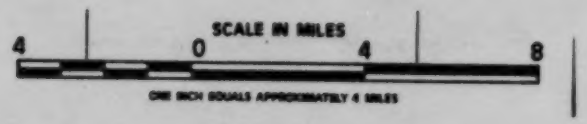
7. N ——————————— P

8. Q ——————————————————————————— R

Now that you know how to use scale, try applying that skill to a real map. Measure the distance between two places and multiply by the scale. REMEMBER: your answer will be approximate, so round off the distance to make it easier to work with.

EXERCISE 9

USE THE SCALE BELOW TO FIND THE APPROXIMATE DISTANCES BETWEEN THESE TOWNS:



FIND THE DISTANCE BETWEEN:

1. Jonas and Kresgeville
2. Kresgeville and Kunkletown
3. Kresgeville and Brodheadsville
4. Saylorsburg and Wind Gap
5. Wind Gap and Pen Argyl
6. Wind Gap and Stroudburg

REMEMBER: it's o.k. to round off!

WATCH THOSE CURVES

The big problem with the technique you've been using is that it measures distances "as the crow flies" - that is, the distance directly from point to point. However, roads may curve around, or bend; sometimes there is no road directly from one place to another. How do you cope with this?

Suppose, for instance, you wanted to know the driving distance from Scullville to Buck Hill:

scale in miles

If you measure straight across from Scullville to Buck Hill, the distance is about 2". On the scale of one inch = 4 miles, this would be 8 miles.

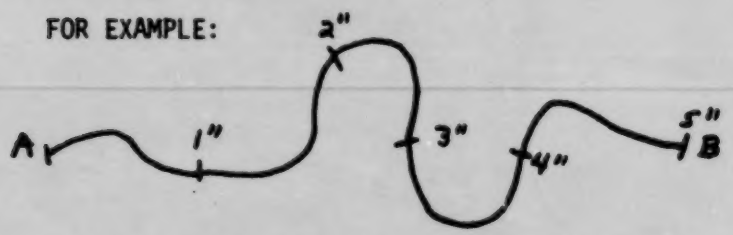
$$2 \times 4 = 8$$

But just by looking at the map you can see that the actual driving distance is much longer than 8 miles; you have to go all the way through Mays Landing and down the other side of the river. To drive from Scullville to Buck Hill you must actually go about 20 miles.

There are several ways to measure distances that curve and bend. One way is to use a little machine that rolls along the map and measures the exact distance, curves and all. Most of the time, however, you won't have such a gadget handy. Then you can do one of two things:

1. Measure a space of about one inch between your thumb and forefinger. Holding your fingers steady, mark off the inches along the road you want to measure, roughly following the curves.

   FOR EXAMPLE:



   While this will not give you an exact measurement, it will give you a rough idea of the distance.

2. For a more accurate measurement, simply use a piece of string. Lay the string along the route you wish to measure; mark the starting point and the ending point; then measure the string.

   TRY THE STRING TECHNIQUE WITH THIS EXAMPLE:

   The piece of string should measure about 5". If yours didn't, try it again.

For extra practice, go back to the map of Scullville and Buck Hill. Using either of these techniques, do you find that the road from Scullville and Buck Hill measures 5"? Good! To finish the problem, multiply 5 x 4 (one inch = 4 miles) and you find that it's 20 miles from Scullville

EXERCISE 10

For your last exercise on using scale, try the string technique (or the finger technique if you have no string) to find the approximate distances between these places. First find the distance in inches; then multiply to find the distance in miles. Watch the scale!

(REMEMBER: it's o.k. to round off a little, but be careful.)

FIND THE DISTANCES FROM:

1. Woodstown to Quinton

2. Bridgeton to Alloway

3. Cedarville to Deerfield

4. Deerfield to Alloway

5. Pennsville to Welchville

6. Salem to Elmer

7. Cohansey to Pennsville

8. Carneys Point to Deerfield

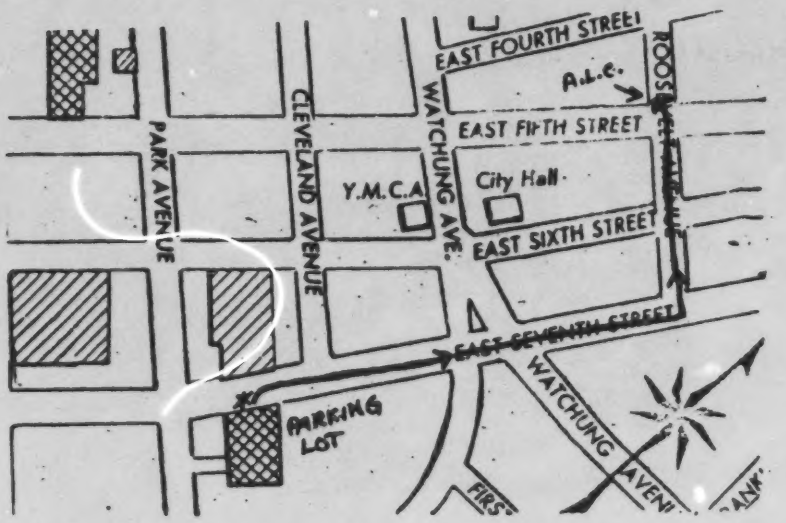
Now that you've finished the chapter, you know a lot about maps. The only way you should get lost now is if you forget to bring the map with you!

EXERCISE I: ANSWERS

1. Rt. 22 West
2. Rt. 287 North
3. south
4. west
5. Rt. 206
6. west
7. north (northeast)
8. west
9. south
10. north
11. north
12. east
13. east
14. west

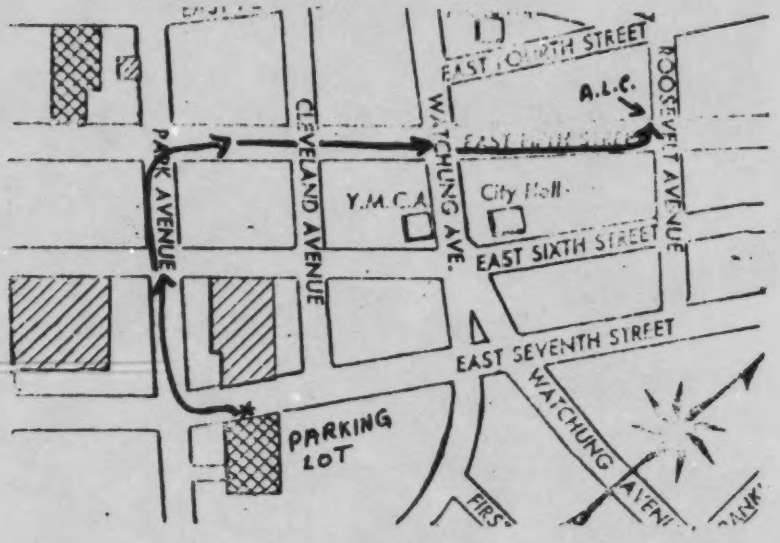
EXERCISE 2: ANSWERS

1. right
2. right
3. right
4. right
5. left
6. Go west on Front Street; make a left on Watchung Avenue. The YMCA is 5 blocks down on the right.
7. Go right on Watchung Avenue for 2 blocks.
8. a. Go right on East 7th Street to Roosevelt Avenue. Go left on Roosevelt Avenue for 2 blocks:

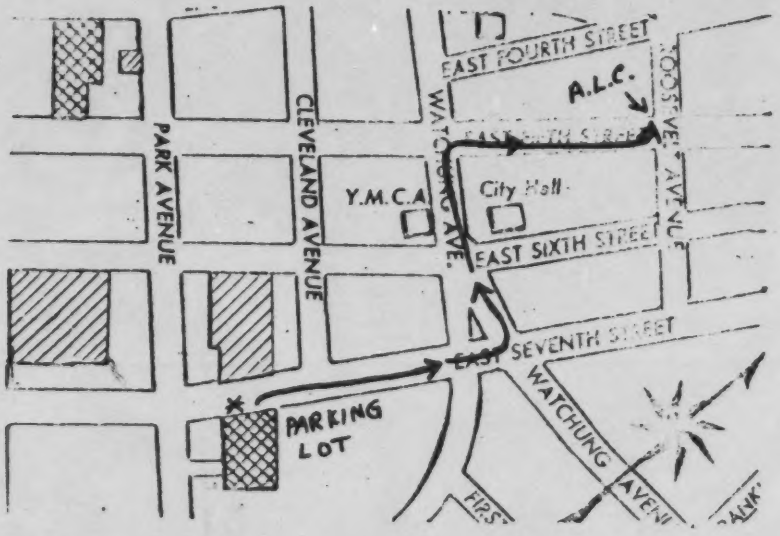


EXERCISE 2: ANSWERS (con't.)

b. Go up Park Avenue to Fifth Street. Make a right on Fifth Street and walk 3 blocks:



c. Go right on East Seventh Street to Watchung Avenue. Make a left on Watchung, go to Fifth Street. Make a right on Fifth Street:



EXERCISE 4: ANSWERS

1. Interstate highway
2. railroad line and freight station
3. county boundary
4. cemetery
5. golf club
6. railroad line and passenger station

EXERCISE 5: ANSWERS

1. Rumson: 5,000 to 10,000
2. Red Bank: 10,000 to 25,000
3. Sea Girt: 1,000 to 2,500
4. Lakewood: 10,000 to 25,000
5. Island Heights: 1,000 to 2,500
6. Monroe: 5,000 to 10,000
7. Jamesburg: 2,500 to 5,000
8. Spotswood: 5,000 to 10,000
9. South River: 10,000 to 25,000
10. Freehold: 10,000 to 25,000
11. Asbury Park: 10,000 to 25,000
12. Deal: 1,000 to 2,500
13. South Belmar: 1,000 to 2,500
14. Belmar: 5,000 to 10,000
15. Interlaken: 1,000 to 2,500
16. Neptune: 5,000 to 10,000
17. Spring Lake: 2,500 to 5,000
18. Lakehurst: 2,500 to 5,000
19. Jerseyville: Under 1,000
20. Point Pleasant: 10,000 to 25,000
21. Eatontown: 10,000 to 25,000
22. Howell: 10,000 to 25,000
23. Englishtown: 1,000 to 2,500
24. Pine Beach: 1,000 to 2,500
25. Little Silver: 5,000 to 10,000
26. Marlboro: under 1,000

EXERCISE 6: ANSWERS

rte.	route
S.	South
R.	River
Dr.	Drive
jct.	junction
W.	West
N.	North
info.	information
Rd.	Road
U. S.	United States
Pl.	Place
E.	East
St.	Street
cap.	capital
R. R.	railroad
bldg.	building
pk.	park
Ave.	Avenue
Pkwy.	Parkway
alt.	alternate
byp.	bypass
inst.	institution
hosp.	hospital

EXERCISE 7: ANSWERS

1. 1 inch = 1 x 1000 = 1000 ft.

2. 2 inches = 2 x 1000 = 2000 ft.

3. $\frac{1}{2}$ inch = $\frac{1}{2}$ x 1000 = $\frac{1}{2}$ x $\frac{1000}{1}$ = 500 ft.

   or $2\overline{)1000}$ = 500 ft.

4. $\frac{1}{4}$ inch = $\frac{1}{4}$ x 1000 = $\frac{1}{4}$ x $\frac{1000}{1}$ = 250 ft.

   or $4\overline{)1000}$ = 250 ft.

   8
   20
   20
   0

5. $1\frac{1}{4}$ inch = $1\frac{1}{4}$ x 1000 = $\frac{5}{4}$ x $\frac{1000}{1}$ = 1250 ft.

   or 1 x 1000 = 1000 plus $\frac{1}{4}$ x $\frac{1000}{1}$ = 250

   1000 + 250 = 1250 ft.

6. 7 inches = 7 x 1000 = 7000 ft.

7. $\frac{3}{4}$ inch = $\frac{3}{4}$ x 1000 = $\frac{3}{4}$ x $\frac{1000}{1}$ = 750 ft.

   or $4\overline{)1000}$

   250
   x 3
   750 ft.

EXERCISE 7: ANSWERS (con't.)

8. $\frac{1}{8}$ inch = $\frac{1}{8} \times 1000 = \frac{1}{\cancel{8}_{1}} \times \frac{\overset{125}{\cancel{1000}}}{1}$ = 125 ft.

or $8\overline{)1000}$ $\quad\overset{125}{}$ = 125 ft.

9. 3/8 inch = $\frac{3}{8} \times 1000 = \frac{3}{\cancel{8}_{1}} \times \frac{\overset{125}{\cancel{1000}}}{1}$ = 375 ft.

or $8\overline{)1000}$ $\quad\overset{125}{}$

$\times\ 3$

375 ft.

10. 7/8 inch = $\frac{7}{8} \times 1000 = \frac{7}{\cancel{8}_{1}} \times \frac{\overset{125}{\cancel{1000}}}{1}$ = 875 ft.

or $8\overline{)1000}$ $\quad\overset{125}{}$

$\times\ 7$

875 ft.

11. $2\frac{3}{4}$ inches = $2\frac{3}{4} \times 1000 = \frac{11}{4} \times \frac{1000}{1} \times \frac{11}{\cancel{4}_{1}} \times \frac{\overset{250}{\cancel{1000}}}{1}$ = 2750 ft.

or $2 \times 1000 = 2000$ plus $\frac{3}{4} \times \frac{1000}{1}$ = 750 ft.

$2000 + 750 = 2750$ ft.

12. $1\frac{7}{8}$ inches = $1\frac{7}{8} \times 1000 = \frac{15}{8} \times \frac{1000}{1} = \frac{15}{\cancel{8}_{1}} \times \frac{\overset{125}{\cancel{1000}}}{1}$ = 1875 ft.

or $1 \times 1000 = 1000$

plus $\frac{7}{8} \times \frac{1000}{1} = \frac{875}{1875}$ ft.

EXERCISE 8: ANSWERS

1. A - B = 1/2 inch = 500 feet
2. C - D = 1-1/2 inches = 1500 feet (1 inch = 1000; 1/2 inch = 500; 1000 + 500 = 1500)
3. E - F = 3 inches = 3000 feet
4. G - H = 3/4 inch = 750 feet
5. J - K = 1 inch = 1000 feet
6. L - M = 1-1/4 inches = 1250 feet (1 inch = 1000; 1/4 inch = 250; 1000 + 250 = 1250)
7. N - P = 2-1/2 inches = 2500 feet (2 inches = 2000; 1/2 inch = 500; 2000 + 500 = 2500)
8. Q - R = 5 inches = 5000 feet

EXERCISE 9: ANSWERS

1. Jonas to Kresgeville: $1\frac{1}{4}" = 1\frac{1}{4} \times 4 = \frac{5}{4} \times \frac{4}{1} = 5$ miles
2. Kresgeville to Kunkletown: $1" = 1 \times 4 = 4$ miles
3. Kresgeville to Brodheadsville: $1\frac{1}{2}" = 1\frac{1}{2} \times 4 + \frac{3}{2} \times \frac{4}{1} = 6$ miles
4. Saylorsburg to Wind Gap: $\frac{3}{4}" = \frac{3}{4} \times \frac{4}{1} = 3$ miles
5. Wind Gap to Pen Argyl: $\frac{1}{2}" = \frac{1}{2} \times \frac{4}{1} = 2$ miles
6. Wind Gap to Stroudsburg: $2\frac{1}{2}" = \frac{5}{2} \times \frac{4}{1} = 10$ miles

EXERCISE 10: ANSWERS

1. Woodstown to Quinton: 3" = 3 x 5 = 15 miles

2. Bridgeton to Alloway: 4" = 4 x 5 = 20 miles

3. Cedarville to Deerfield: $4\frac{1}{2}" = \frac{9}{2} \times \frac{5}{1} = \frac{45}{2} = 22\frac{1}{2}$ miles

4. Deerfield to Alloway: $2\frac{1}{4}" = \frac{9}{4} \times \frac{5}{1} = \frac{45}{4} = 11\frac{1}{4}$ miles

5. Pennsville to Welchville: $2\frac{1}{2}" = \frac{5}{2} \times \frac{5}{1} = \frac{25}{2} = 12\frac{1}{2}$ miles

6. Salem to Elmer: $4\frac{1}{2}" = \frac{9}{2} \times \frac{5}{1} = \frac{45}{2} = 22\frac{1}{2}$ miles

7. Cohansey to Pennsville: 5" = 5 x 5 = 25 miles

8. Carneys Point to Deerfield: $6\frac{1}{2}" = \frac{13}{2} \times \frac{5}{1} = \frac{65}{2} = 32\frac{1}{2}$ miles

The State Highways have a code in their numbers. Roads which run east to west have even numbers, like Route 10, Route 22, Route 46. Roads which run north to south have odd numbers: Route 1, Route 9, Route 27. Since no road runs in a perfectly straight line, it is possible to travel in a northern direction on an east-west road, but only for a short time. The general direction of an even-numbered road will always be east-west.

Toll Roads

Who pays for roads? It costs lots of money to design and build a road. It also costs money to keep them up. Some highways are built and maintained by state and federal taxes. Others are paid for by people who drive on them. These are called toll roads, and you pay a toll every time you use them.

The Garden State Parkway

The Garden State Parkway is one of the two main toll roads in New Jersey. It runs from Cape May in the South all the way to the New York State Thruway. It is 173 miles long.

Tolls on the Parkway are collected at toll booths. Spaced along the highway are eleven toll areas. When you come to one of these toll areas you must pay 25¢. There are toll booths all across the road, catching drivers in both directions. Some have green lights and some have red. A green light means the booth is open. Some toll booths have a person inside called a toll collector. That person will take your money, give you change, even give you directions. Other toll booths

say "EXACT CHANGE". If you use one of these lanes you must have exactly 25¢. You toss your money into a basket, the machine counts it, then it gives you the green light to go ahead. If your toss misses the basket you should honk your horn. A toll collector will come and pick it up for you.

The eleven toll areas are not the only toll booths on the Parkway. Sometimes there are one or two booths on the exits and entrances to the Parkway. These usually cost 10¢ and 15¢. Sometimes there is no collector in the entrance and exit booths. If you use one of these booths and do not have exact change, there are envelopes you can use to send in the toll later on.

If you want information about traffic conditions on the Parkway, you can get it by phone. Just call PARKWAY on your dial. Dialing these letters gives you the number 727-5959, but "parkway" is an easy way to remember what to dial. When you call, you will hear a recording telling about road conditions.

One unique fact about the Parkway is its way of numbering the exits. Exits are numbered according to their distance from the Parkway's beginning at Cape May - mile 0. The last exit at the New Jersey border is 173, which is 173 miles from the beginning. When you know this fact, it is easy to tell how far it is from one place to another. If you get on the parkway at exit 139 and travel to exit 153, for instance, you will drive 153 - 139 miles, or 14 miles. On the Parkway, you never need to wonder "how far is it"?

Besides being used to pay toll booth collectors and repair roads, the money collected in tolls has been used to build the Garden State Arts Center. This building, located on the Parkway in Holmdel, gives programs of music, dance, theatre.

The New Jersey Turnpike

The second main toll road in New Jersey is the New Jersey Turnpike. The Turnpike is 118 miles long, from the Delaware Memorial Bridge in the South to Route 46 in Bergen County. The Turnpike has two spurs, which means it divides and goes two ways. The eastern spur goes to the Holland Tunnel (and then to New York) and the western spur goes to the Pennsylvania Turnpike.

The Turnpike is a toll road, but it has no toll booths. Instead, it uses toll tickets to tell you how much to pay. You pick up a ticket when you get on the Turnpike, either from a person in a booth or from a machine which gives out tickets. The ticket lists the tolls for the different exits. When you get off the Turnpike you give the ticket to the collector and pay the correct toll. If you lose the ticket, you have to pay the toll to the farthest exit, no matter where you get off.

Here is a copy of a Turnpike toll ticket. STUDY IT and answer these questions:

ENTRY	CLASS	DATE	TIME
10 JUN 25	2	46 454	ENTRY 10
03 JUN 25	2	34 897	

INTERCHANGE	CLASS	2	3	4	5	6
1	DELAWARE MEMORIAL BRIDGE	1.90	2.65	3.10	3.70	4.30
2	SWEDESBORO CHESTER	1.60	2.25	2.65	3.20	3.70
3	WOODBURY SO CAMDEN	1.25	1.85	2.20	2.65	3.05
4	CAMDEN PHILADELPHIA	1.10	1.55	1.85	2.20	2.55
5	BURLINGTON MT HOLLY	.85	1.25	1.50	1.80	2.10
6	PENNSYLVANIA TURNPIKE	1.15	1.60	1.90	2.30	2.65
7	BORDENTOWN TRENTON	.70	1.00	1.15	1.40	1.60
7A	I-195 - TRENTON SHORE POINTS	.60	.85	1.00	1.20	1.40
8	HIGHTSTOWN FREEHOLD	.40	.60	.70	.85	1.00
8A	JAMESBURG CRANBURY	.30	.40	.45	.55	.65
9	NEW BRUNSWICK	.20	.25	.30	.35	.40
10	I-287-METUCHEN EDISON TOWNSHIP	"U" TURNS ARE PROHIBITED				
11	CAMDEN STATE PKWY WOODBRIDGE/THE AMBOYS	.35	.35	.40	.50	.60

PARK DISABLED VEHICLE ON RIGHT SHOULDER — STAY WITH VEHICLE AND AWAIT POLICE AID. NEC/ART-8386R

SURRENDER TICKET AT EXIT AND PAY TOLL. IF TICKET IS LOST, HIGHEST TOLL FOR CLASS WILL BE CHARGED

12	CARTERET RAHWAY	.50	.65	.70	.85	1.00
13	I-278-ELIZABETH GOETHALS BRIDGE	.70	.90	1.05	1.25	1.45
14	I-78-NEWARK AIRPORT	1.10	1.50	1.65	2.00	2.30

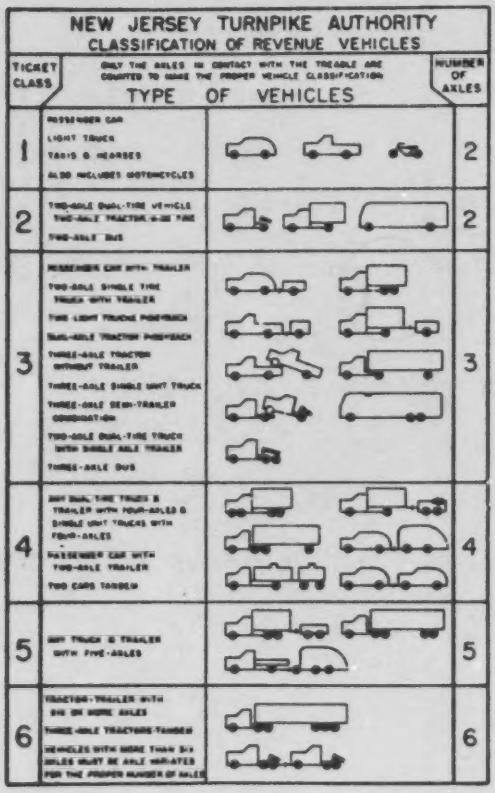
AXLE VARIATION	CLASS	6	5	4	3	2
14A	BAYONNE	1.65	2.20	2.45	2.95	3.40
14B	JERSEY CITY	1.80	2.35	2.65	3.20	3.70
14C	HOLLAND TUNNEL	1.90	2.45	2.80	3.35	3.90
15E	NEWARK JERSEY CITY	1.30	1.80	2.00	2.40	2.80
15W	I-280-NEWARK THE ORANGES	1.45	2.00	2.25	2.70	3.15
16E	LINCOLN TUNNEL NJ-3-SECAUCUS	1.75	2.30	2.65	3.20	3.70
16W	SPORTS PLEX (NJ-3) SECAUCUS/RUTHERFORD	1.75	2.30	2.65	3.20	3.70
18E&W	GEO WASH BRIDGE US 46 - I-80 - I-95	2.15	2.80	3.20	3.85	4.45

QUESTIONS:

1. At what gate did the driver enter the Turnpike?
2. What class is the vehicle?
3. What is the exit for Bordentown?
4. What is the exit for Newark Airport?
5. What is the exit for the Meadowlands Sports Complex?
6. What is the exit for the Parkway?
7. What is the exit for the Delaware Memorial Bridge?
8. What is the exit for the George Washington Bridge?
9. What is the exit for Interstate I95?
10. For a class 2 vehicle, what is the charge to Exit 4?
11. What is the charge to drive to New Brunswick? (class 2)
12. What is the charge to Jersey City? (class 2)
13. What is the highest charge for a class 2 vehicle on this card?
14. If you lose the ticket, what must you pay?
15. What would a class 5 vehicle be charged for driving to the Delaware Memorial Bridge?
16. What would a class 3 vehicle be charged for driving to Jamesburg?
17. What would a class 6 vehicle be charged for driving to the Holland Tunnel?
18. What would a class 4 vehicle driver have to pay if he lost his ticket?
19. What should you do if your car breaks down?
20. How many exits are there on the Turnpike?

ANSWERS:

1. At Exit 10
2. Class 2. This class includes 2-axle vehicles such as passenger cars. Cars with trailers, trucks with more than 2 axles, tractor trailers fall into the higher classes according to the number of axles they have.



3. Exit 7
4. Exit 14
5. Exit 16W

ANSWERS: (cont'd)

6. Exit 11
7. Exit 1
8. Exit 18E and W
9. Exit 7A
10. $1.10
11. 20¢
12. $1.80
13. $2.15 to Exit 18E and W
14. You must pay $2.15 - the highest toll of your class
15. $3.70
16. 40¢
17. $3.90
18. $3.20 - the highest toll for class 4
19. If your car has trouble (is "disabled") park on the right shoulder. Wait for the police to come help you
20. 24

READING A MILEAGE CHART

This chart shows the distances between Turnpike exits. To use the chart, FIND THE INTERCHANGE YOU ENTER on the left hand side. FIND THE INTERCHANGE YOU WILL EXIT across the top. The box where the two lines meet will give you the distance between the two places.

FOR EXAMPLE, find exit 10 on the left and exit 15E across the top. See where the lines intersect? That shows you that it is 19 miles from Exit 10.

SCHEDULE OF MILEAGE BETWEEN INTERCHANGES

	1 DELAWARE MEMORIAL BRIDGE	2 SWEDESBORO CHESTER	3 WOODBURY SOUTH CAMDEN	4 CAMDEN PHILADELPHIA	5 BURLINGTON MOUNT HOLLY	6 PENNSYLVANIA TURNPIKE	7 BORDENTOWN TRENTON	7A I-195 TRENTON SHORE POINTS	8 HIGHTSTOWN TRENTON	8A JAMESBURG CRANBURY	9 NEW BRUNSWICK	10 I-287 P.AMBOY METUCHEN EDISON	11 G.S. PARKWAY WOODBRIDGE	12 CARTERET RAHWAY	13 ELIZABETH GOETHALS BRIDGE	14 NEWARK AIRPORT	14A BAYONNE	14B JERSEY CITY	14C HOLLAND TUNNEL	15E NEWARK JERSEY CITY	15W NEWARK THE ORANGES	16E LINCOLN TUNNEL SECAUCUS	16W SPORTS PLEX NJ 3 RUTHERFORD	18E GEORGE WASHINGTON BRIDGE	18W GEORGE WASHINGTON BRIDGE
1 DELAWARE MEMORIAL BRIDGE	–	12	25	33	43	50	52	59	67	73	82	87	90	95	99	104	107	109	110	106	108	111	112	118	118
2 SWEDESBORO CHESTER	12	–	13	21	31	38	40	47	55	61	70	75	78	83	87	92	95	97	98	94	96	99	100	105	105
3 WOODBURY SOUTH CAMDEN	25	13	–	8	18	25	27	34	42	48	57	62	65	70	74	79	82	84	85	81	83	86	87	92	92
4 CAMDEN PHILADELPHIA	33	21	8	–	10	17	19	26	34	40	49	54	57	62	66	71	74	76	77	73	75	78	79	84	84
5 BURLINGTON MOUNT HOLLY	43	31	18	10	–	7	9	16	24	30	39	44	47	52	56	61	64	66	67	63	65	68	69	74	74
6 PENNSYLVANIA TURNPIKE	50	38	25	17	7	–	2	9	17	23	32	37	40	45	49	54	57	59	60	56	58	61	62	67	67
7 BORDENTOWN - TRENTON	52	40	27	19	9	2	–	7	15	21	30	35	38	43	47	52	55	57	58	54	56	59	60	65	65
7A I-195 TRENTON SHORE POINTS	59	47	34	26	16	9	7	–	7	13	22	27	30	35	39	44	47	49	50	46	48	51	52	57	57
8 HIGHTSTOWN - TRENTON	67	55	42	34	24	17	15	7	–	6	15	20	23	28	32	37	40	42	43	39	41	44	45	50	50
8A JAMESBURG CRANBURY	73	61	48	40	30	23	21	13	6	–	9	14	17	22	26	31	34	36	37	33	35	38	39	44	44
9 NEW BRUNSWICK	82	70	57	49	39	32	30	22	15	9	–	5	8	13	17	22	25	27	28	24	26	29	30	35	35
10 I 287 P.AMBOY METUCHEN EDISON	87	75	62	54	44	37	35	27	20	14	5	–	3	8	12	17	20	22	23	19	21	24	25	30	30
11 G.S. PARKWAY WOODBRIDGE	90	78	65	57	47	40	38	30	23	17	8	3	–	5	9	14	17	19	20	16	18	21	22	27	27
12 CARTERET RAHWAY	95	83	70	62	52	45	43	35	28	22	13	8	5	–	4	9	12	14	15	11	13	16	17	22	22
13 ELIZABETH GOETHALS BRIDGE	99	87	74	66	56	49	47	39	32	26	17	12	9	4	–	5	8	10	11	7	9	12	13	18	18
14 NEWARK AIRPORT	104	92	79	71	61	54	52	44	37	31	22	17	14	9	5	–	3	5	6	2	4	7	8	13	13
14A BAYONNE	107	95	82	74	64	57	55	47	40	34	25	20	17	12	8	3	–	2	3	5	7	10	11	16	16
14B JERSEY CITY	109	97	84	76	66	59	57	49	42	36	27	22	19	14	10	5	2	–	1	7	9	12	13	18	18
14C HOLLAND TUNNEL	110	98	85	77	67	60	58	50	43	37	28	23	20	15	11	6	3	1	–	8	10	13	14	19	19
15E NEWARK JERSEY CITY	108	96	83	75	65	58	56	48	41	35	26	21	18	13	9	4	7	9	10	2	–	4	4	9	9
15W NEWARK THE ORANGES	111	99	86	78	68	61	59	51	44	38	29	24	21	16	12	7	10	12	13	5	4	–	–	–	–
16E LINCOLN TUNNEL SECAUCUS	112	100	87	79	69	62	60	52	45	39	30	25	22	17	13	8	11	13	14	6	4	–	–	–	5
16W SPORTS PLEX NJ 3 RUTHERFORD	118	105	92	84	74	67	65	57	50	44	35	30	27	22	18	13	16	18	19	11	9	–	–	–	–
18E GEORGE WASHINGTON BRIDGE	118	105	92	84	74	67	65	57	50	44	35	30	27	22	18	13	16	18	19	11	9	–	5	–	–
18W GEORGE WASHINGTON BRIDGE	118	105	92	84	74	67	65	57	50	44	35	30	27	22	18	13	16	18	19	11	9	–	5	–	–

6A PENNSYLVANIA TURNPIKE FLORENCE, LOCAL TRAFFIC ONLY, AT INTERCHANGE 6

17 SECAUCUS U.S. RT. 46 (ONLY)

How far is it from:

1. Exit 1 to Exit 16W?
2. Exit 14A to Exit 6?
3. Exit 18W to Exit 4?
4. Exit 3 to Exit 4?
5. Exit 7 to Exit 12?
6. Newark Airport to the Delaware Memorial Bridge?
7. The George Washington Bridge to the Delaware Memorial Bridge?
8. The Meadowlands Sports Complex to New Brunswick?

READING A MILEAGE CHART: ANSWERS

1. 112 miles

2. 57 miles

3. 84 miles

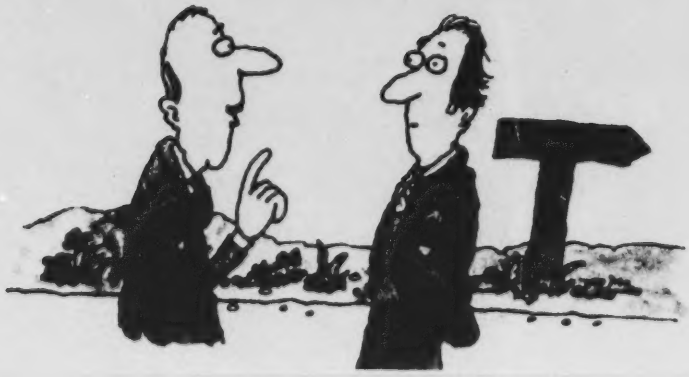
4. 8 miles

5. 43 miles

6. 104 miles

7. 118 miles

8. 30 miles



YOU TAKE THE HIGH ROAD: QUESTIONS

1. Which way does New Jersey Route 28 run?

2. Which way does New Jersey Route 3 run?

3. What is a toll?

4. What does a toll pay for?

5. How long is the Parkway?

6. a) How are tolls collected on the Parkway?
   b) How much are they?

7. How are tolls collected on the Turnpike?

8. How can you get information about traffic conditions on the Parkway?

9. On the Parkway, how far is it
   a) from exit 16 to exit 121?
   b) exit 130 to exit 153?
   c) exit 121 to exit 100?
   d) exit 35 to exit 37?

10. What should you do if your toll misses the basket?

YOU TAKE THE HIGH ROAD: ANSWERS

1. east to west

2. north/south

3. A toll is a charge for driving on a road

4. Tolls are used to pay the cost of building, maintaining, and running a road. Sometimes tolls are also used for other facilities, like the Garden States Art Center, or to help pay for mass transit (trains and buses)

5. 173 miles

6. a) at toll booths
   b) 25¢

7. With toll tickets which list the charges

8. Dial PARKWAY - 727-5959

9. a) $\begin{array}{r} 121 \\ -\ 16 \\ \hline 105 \end{array}$ b) $\begin{array}{r} 153 \\ -130 \\ \hline 23 \end{array}$

   c) $\begin{array}{r} 121 \\ -100 \\ \hline 21 \end{array}$ d) $\begin{array}{r} 37 \\ -\ 35 \\ \hline 2 \end{array}$

10. Honk your horn and someone will come to pick it up

It was an Accident

No matter how good a driver you are, you can still be involved in an accident. If you are in an accident and someone is hurt or killed, or if there is damage to property, you must call the police. If someone has been hurt, take whatever first-aid measures you can to help him. If someone has been killed, do not move the body. Wait for the police to come.

When the police arrive at the scene of an accident, the people involved in the accident must answer all their questions. Tell the police everything you can about the accident. You should also notify your insurance company right away. Do not discuss the accident with anyone else.

If there is more than $200 worth of damage, or if anyone has been hurt, you will also have to fill out an Accident Report Form. This form will not help you in court or with your insurance company; it is simply to give information to the Division of Motor Vehicles. Get the form from the police or D.M.V. If it is not sent in within five days, you could lose your license and registration.

Knowing what is on the form will help you get the information you need at the time of the accident. To fill out the form you will need to get this information:

1. Information to get from the other driver (or drivers):

    a. Full name and address

    b. Driver's license-number and state

    c. Birth date, eye color, sex (on the license)

    d. Car owner's name and address

    e. Make and year of other car

    f. Car license (number and state)

    g. Names and addresses of passengers

    h. Insurance company and policy number

2. Information to get from witnesses:

    Their names and addresses

3. Information to get from the police:

    a. Name of the police agency (example: N. J. State Police; Paterson Municipal Police)

    b. Name of police officer who came to the accident

4. Information to get from your own observation:

    a. Date, time and place of accident

    b. Conditions (weather, road, etc.)

    c. What happened at the accident - who did what

SECTION A

Report of Accidents. The driver of a vehicle involved in an accident resulting in injury to or death of any person, or damage to property of any one person in excess of two hundred dollars ($200.00) shall within five days after such accident forward a written report of such accident TO: BUREAU OF SECURITY RESPONSIBILITY, DIVISION OF MOTOR VEHICLES, 25 SO. MONTGOMERY ST., TRENTON, N.J. 08666. Failure to report will result in the suspension of both driving and registration privileges. Under Chapter 4 of Title 39 these reports are not available for public information nor are they admissable in evidence for any other purpose in a proceeding or action arising out of the accident. They are solely for the use of the Department of Law and Public Safety in developing information useful in the prevention of accidents and for compliance with the Motor Vehicle Security Responsibility and Compulsory Insurance Laws.

INSTRUCTIONS

PLEASE PRINT OR TYPE
ALL INFORMATION
USE BLACK OR DARK BLUE INK

Begin by folding along this line ➡
Follow the instructions at the top of Section B.
Numbered arrows should point to
boxes on reverse side after folding.

1. Give exact date of accident.
2. If a vehicle is unoccupied, enter all available information. Be sure to enter the correct vehicle plate number.
3. Driver information must be entered exactly as it appears on each driver's license.
4. Owner information must be entered exactly as it appears on the registration certificate of each vehicle involved in the accident.
5. If you were involved in an accident in which there were more than two vehicles, an additional one of these report forms must be filled out. On that form, place the information for the third vehicle in the space marked "Your Vehicle No. 1" and mark it No. 3. Use the space marked "Other Vehicle No. 2" for the fourth vehicle, and mark it No. 4 and so on.
6. The location of the accident is very important and you should describe it as accurately as possible in the space provided.
7. For each person injured complete boxes 67, 68, 69, 70, 71 and list names and addresses.
8. If there are more than two persons injured, another one of these report forms is needed. In the injury section of that report, record the required information for all additional injured persons.
9. Attach any additional report forms to page one. Each page of the report must be numbered in the upper right corner, dated and SIGNED on the bottom line.
10. Answer all questions to the best of your knowledge.
11. Send all reports to: **Bureau of Security Responsibility**
Division of Motor Vehicles
25 South Montgomery Street
Trenton, N.J. 08666

The exercises that follow will help you to study the Accident Report Form and to practice filling one out. Then if you are ever in an accident, you will know how to make the report.

SECTION A of the Accident Report Form gives the instructions:

EXERCISE A - ANSWER THESE QUESTIONS ABOUT SECTION A OF THE ACCIDENT REPORT FORM:

1. Can you fill out the form in pencil?
2. I was in an accident on Route 22. Is this enough information about the location of the accident?
3. Where do you get information about the other driver?
4. Where do you get information about the owner of the other car?
5. How many cars can one report cover?
6. What do you do if there are 3 cars involved?
7. How many injured people can go on one report?
8. What do you do if there are more injured people?
9. Where do you put information about the fourth car involved in an accident?
10. What do you do if there is no one in the other car?
11. Who must fill out an Accident Report Form?

12. Where do you send the form?

13. When must the form be sent in?

14. Who uses the completed forms?

15. What happens if you do not send in a form?

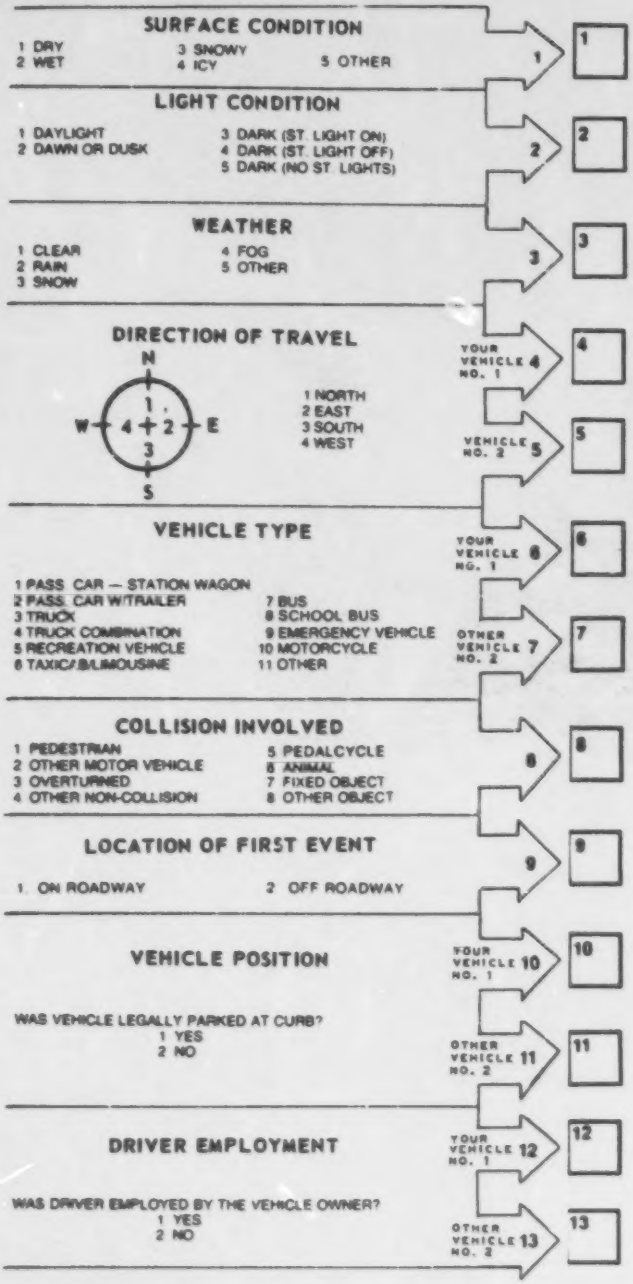
CHECK YOUR ANSWERS IN THE ANSWER KEY AT THE END OF THE CHAPTER.

SECTION B

REPORT OF MOTOR VEHICLE ACCIDENT

Be sure form is folded along this line before answering the questions below.
Numbered arrows should point to boxes on reverse side after folding.
Fill in the 13 boxes to the right by entering the number of the item which best describes the circumstances of the accident.
If a question does not apply enter a dash (—).
If an answer is unknown enter a "U".

FOLD ALONG THIS LINE



Please Read Instructions 1 Through 11 On Other Side of Fold Before Completing The Inside of Report.

SECTION B covers the conditions of the accident. You fold the report form in half until the arrows line up with the boxes. Then answer the questions.

EXERCISE B - FILL OUT SECTION B FOR THIS ACCIDENT:

You are driving south on Broad Street in Newark at 11:00 a.m. It is snowing. You stop at a red light. A pizza delivery truck drives up behind you, tries to stop, skids, and hits you, knocking your car into a mailbox.

REMEMBER: You are <u>always</u> vehicle no. 1. The other driver is vehicle no. 2. Fill in information for both cars.

Check your answers in the answer key at the end of the chapter.

The longest part of the Accident Report Form is the inside. Here you fill in information on drivers, owners, insurance, injuries, and damage. You are also asked to describe the accident. Much of this information you get from the other driver's license and registration. If there is no other drivér (if you hit a parked car, for instance), fill out what you can. Be sure to get the license number - then the DMV can get the rest of the information from its records.

EXERCISE C - READ THIS SITUATION, then fill out the Accident Report Form which follows:

Yesterday you were driving alone down Springfield Avenue in Irvington. You were going west. At 2:30 in the afternoon an accident happened. A car coming toward you made a left turn onto Grove Street right in front of you. You could not stop in time, and you hit the other car on the passenger side. The other car's door was crushed and could not be opened; the window was broken. ($350 damage) Your front bumper was crushed. ($225 damage) The driver of the other car, Sam Smash, fell against the steering wheel and cut his face. Sam's 25 year old friend, Rose Ann Rosannadanna (10 W. 10th Street, Fort Lee, New Jersey) was riding next to him. She was cut by glass from the broken window. You were not hurt. The Irvington police came and took statements from both drivers.

Here are the driver's license, car registration, and insurance cards for the other driver. YOU ARE ALWAYS driver #1.

STATE OF NEW JERSEY
Division of Motor Vehicles
DRIVER LICENSE

DRIVER LICENSE NUMBER
SA123 44273 48433

EXPIRATION DATE: JUL 31 82
ISSUE DATE: JUL 6 80

AUTO

SAMUEL P SMASH
222 CALAMITY LANE
IRVINGTON NJ 07111

NO.	YEAR	EYES	SEX	WT	HEIGHT	MONEY	FEE
08	43	2	M	2	5 11	0	8.00

SIGN HERE X Samuel P. Smash

LS-147A (RT-74) D. M. Redisch DIRECTOR

OCT 31 81 — EXPIRES
444RAB — LICENSE PLATE NO.

STATE OF NEW JERSEY
DIVISION OF MOTOR VEHICLES

VOID UNLESS VALIDATED
OCT 24 80 X2

MESSENGER VEHICLE REGISTRATION

SAMUEL P SMASH
222 CALAMITY LANE
IRVINGTON NJ 07111

MAKE	YEAR	COLOR	BODY	V. I. NO.	INSURED
CHRY	76	GRN	4	12345	2

11124 12345
FULL VEHICLE IDENTIFICATION NUMBER (V.I.N.)

THIS VEHICLE MUST BE INSPECTED PRIOR TO EXPIRATION OF WINDSHIELD STICKER
D.M. Redisch DIRECTOR

INSURANCE COMPANY CODE: 002

STATE OF NEW JERSEY INSURANCE IDENTIFICATION CARD

THE PAYOUT INSURANCE COMPANY

NAME AND ADDRESS OF OFFICE ISSUING THIS CARD
THE PAYOUT
111 INDEMNITY STREET NEWARK, NJ 07103

240

SAMUEL P SMASH
222 CALAMITY LANE
IRVINGTON NJ 07111

ANY ALTERATION RENDERS THIS CARD VOID

Policy Number: LOBO805 01954 2266 343 4
Effective Date: 07-02-80
Expiration Date: 07-02-81

Applicable with respect to the following motor vehicle:

76 (Year) CHRY (Make) 11124 12345 (Vehicle Identification Number)

Barry J. Chen
AUTHORIZED REPRESENTATIVE

AGENT: CAR-SAFE AGCY
2493561 CC/2499/00430

SEE IMPORTANT MESSAGE ON REVERSE SIDE

SR-1 (R1-75) SUPERSEDES ALL PREVIOUS VERSIONS

DMV USE

NEW JERSEY DIVISION OF MOTOR VEHICLES
MOTOR VEHICLE ACCIDENT REPORT

Follow Instructions on other side

14 ACCIDENT DATE MO. DAY YEAR | 15 DAY OF WK. | 16 TIME ☐ AM ☐ PM | 17 NUMBER OF VEHICLES | 18 NUMBER KILLED | 19 NUMBER INJURED | 20 DID POLICE INVESTIGATE ACCIDENT? ☐ YES ☐ NO | 21 NAME OF POLICE AGENCY

22 LOCATION OF ACCIDENT (MUNICIPALITY) | 23 ROUTE NUMBER OR NAME OF STREET | 24 IF NOT AT INTERSECTION COLLISION WAS BETWEEN: ROAD 1 _____ ROAD 2 _____ DISTANCE FROM ROAD 1 _____

25 COUNTY | 26 INTERSECTING STREET, ROAD OR RAILROAD

Your Vehicle 1

27 INSURANCE COMPANY

28 POLICY NO.

29 DRIVER'S FIRST NAME | INITIAL | LAST NAME

30 NUMBER AND STREET

31 CITY | STATE | ZIP CODE

32 DRIVER'S LICENSE NUMBER | 33 STATE | 34 BIRTH DATE MO. DAY YEAR | 35 EYE COLOR | 36 SEX

37 OWNER'S FIRST NAME ☐ SAME AS DRIVER | INITIAL | LAST NAME

38 NUMBER AND STREET

39 CITY | STATE | ZIP CODE

40 MAKE OF VEHICLE | 41 YEAR | 42 LICENSE PLATE NO. | 43 STATE

Other Vehicle 2

44 INSURANCE COMPANY

45 POLICY NO.

46 DRIVER'S FIRST NAME | INITIAL | LAST NAME

47 NUMBER AND STREET

48 CITY | STATE | ZIP CODE

49 DRIVER'S LICENSE NUMBER | 50 STATE | 51 BIRTH DATE MO. DAY YEAR | 52 EYE COLOR | 53 SEX

54 OWNER'S FIRST NAME ☐ SAME AS DRIVER | INITIAL | LAST NAME

55 NUMBER AND STREET

56 CITY | STATE | ZIP CODE

57 MAKE OF VEHICLE | 58 YEAR | 59 LICENSE PLATE NO. | 60 STATE

61 DESCRIBE DAMAGE TO VEH. NO. 1

EST. COST TO REPAIR

62 CIRCLE ONE OF THE 8 DIAGRAMS BELOW IF IT ADEQUATELY DESCRIBES THE ACCIDENT OR DRAW YOUR OWN DIAGRAM IN THE SPACE TO THE RIGHT

1. REAR END
2. OVERTAKING
3. LEFT TURN
4. INTERSECTION
5. RIGHT TURN
6. RIGHT TURN
7. HEAD ON
8. SIDESWIPE

63 DIAGRAM

INDICATE NORTH

64 DESCRIBE DAMAGE TO VEH. NO. 2

EST. COST TO REPAIR

INJURED LOCATED
1 IN VEH. 1 B ON A PEDALCYCLE O OTHER
2 IN VEH. 2 P PEDESTRIAN

POSITION IN/ON VEHICLE
1 DRIVER 2 THRU 7 PASSENGERS
8 RIDING/HANGING ON OUTSIDE

VICTIM'S PHYSICAL CONDITION
1 KILLED
2 INCAPACITATED
3 MODERATE INJURY
4 COMPLAINT OF PAIN

65 ACCIDENT DESCRIPTION

66 DESCRIBE DAMAGE TO PROPERTY OTHER THAN VEHICLE (GIVE OWNER'S NAME AND ADDRESS AND EST. COST TO REPAIR)

67	68	69	70 AGE	71 SEX	Injury Section: Fill Out Space Below for Every Person Injured or Killed in the Accident.
					NAME AND ADDRESS OF INJURED NATURE OF INJURY
					NAME AND ADDRESS OF INJURED NATURE OF INJURY

There is one last part of the accident report form. This is a short section which has to do with your insurance. By law, every car in New Jersey must be insured. To fill out this section, simply copy the information from your insurance policy.

SR-2; (R1-75) **FILL IN BUT DO NOT DETACH**

NEW JERSEY	If you fail to give full information below, it will be assumed that you did not have automobile liability insurance.	Fill in this form with information from your insurance policy. All information will be verified with the insurance company	DMV USE

NAME OF INSURANCE COMPANY COVERING YOU FOR LIABILITY FOR DAMAGE OR INJURY TO OTHERS (NOT AGENT)

NAME AND ADDRESS OF INSURANCE AGENT WHO SOLD YOU POLICY

POLICY NO.	POLICY PERIOD FROM	TO

DATE OF ACCIDENT MONTH DAY YEAR	MAKE OF YOUR VEHICLE (NO. 1)	YEAR	VEHICLE IDENTIFICATION NO.

LOCATION OF ACCIDENT – STREET OR ROUTE NO. AND MUNICIPALITY (SAME AS ITEMS 22, 23, 24 ABOVE)

NAME AND ADDRESS OF DRIVER – VEHICLE 1

NAME AND ADDRESS OF OWNER – VEHICLE 1

NAME AND ADDRESS OF POLICY HOLDER – VEHICLE 1

IMPORTANT — This accident should also be reported directly to your insurance representative. Failure to report may jeopardize your vehicle liability insurance.

Notice the three separate questions: name and address of driver; name and address of owner; name and address of policy holder. If you own your own car, have your own insurance policy, and were driving the car in the accident, you would put your name in all 3 spots. If you were driving someone else's car or if someone else (a parent, for instance) held the insurance policy, you would have to get the information from them. Notice too that all the information is about vehicle #1 - <u>your</u> car. The other car in the accident is not involved in this part of the form.

EXERCISE D - IF YOU HAVE A CAR, use your own information to fill out the insurance section above. Otherwise, use the information from Sam Smash's insurance card on page 18. A copy of the form filled out for Sam Smash is in the answer key.

EXERCISE A: ANSWERS

1. No. The form says to use black or blue ink.
2. No. You should be more specific. What town? Between what cross streets? "Route 22 - eastbound - Mountainside, near New Providence Road" is more accurate.
3. From his driver's license.
4. From the vehicle registration.
5. two
6. If more than 2 cars are involved, you must fill out another report form for car 3 (and 4 if there is a fourth car). On the second form, cross out "vehicle #1" and put in "vehicle #3" for information about a third car.
7. two
8. If there are more than two injured people, you must fill out another report form for them. On the second form you only need to fill in the injury section. Use as many forms as you need to report information on all the injured people.
9. Information on the fourth car would go on the second report form. Cross out "vehicle #2" and put in "vehicle #4".
10. If there is no one in the other car, you cannot get information from the driver's license or registration. Take down whatever information you can get by looking at the car. Be sure to get the license plate number.
11. Anyone driving a car which is involved in an accident in which someone is hurt or in which $200 worth of damage is done must send in an Accident Report Form.
12. Send the form to: Bureau of Security Responsibility
    Division of Motor Vehicles
    25 South Montgomery Street
    Trenton, New Jersey 08666
13. The form must be sent within 5 days after the accident.
14. The completed forms are used by the Department of Law and Public Safety to get information about accidents.
15. If you don't send in a form, you could lose your license and your registration.

SECTION B

REPORT OF MOTOR VEHICLE ACCIDENT

Be sure form is folded along this line before answering the questions below.
Numbered arrows should point to boxes on reverse side after folding.
Fill in the 13 boxes to the right by entering the number of the item which best describes the circumstances of the accident.
If a question does not apply enter a dash (—).
If an answer is unknown enter a "U".

FOLD ALONG THIS LINE

SURFACE CONDITION → 1 → 13

1 DRY
2 WET
3 SNOWY
4 ICY
5 OTHER

LIGHT CONDITION → 2 → 21

1 DAYLIGHT
2 DAWN OR DUSK
3 DARK (ST. LIGHT ON)
4 DARK (ST. LIGHT OFF)
5 DARK (NO ST. LIGHTS)

WEATHER → 3 → 33

1 CLEAR
2 RAIN
3 SNOW
4 FOG
5 OTHER

DIRECTION OF TRAVEL → YOUR VEHICLE NO. 1 → 4 → 43

1 NORTH
2 EAST
3 SOUTH
4 WEST

→ VEHICLE NO. 2 → 5 → 53

VEHICLE TYPE → YOUR VEHICLE NO. 1 → 6 → 61

1 PASS. CAR — STATION WAGON
2 PASS. CAR W/TRAILER
3 TRUCK
4 TRUCK COMBINATION
5 RECREATION VEHICLE
6 TAXIC/B/LIMOUSINE
7 BUS
8 SCHOOL BUS
9 EMERGENCY VEHICLE
10 MOTORCYCLE
11 OTHER

→ OTHER VEHICLE NO. 2 → 7 → 73

COLLISION INVOLVED → 8 → 82

1 PEDESTRIAN
2 OTHER MOTOR VEHICLE
3 OVERTURNED
4 OTHER NON-COLLISION
5 PEDALCYCLE
6 ANIMAL
7 FIXED OBJECT
8 OTHER OBJECT

LOCATION OF FIRST EVENT → 9 → 91

1 ON ROADWAY
2 OFF ROADWAY

VEHICLE POSITION → YOUR VEHICLE NO. 1 → 10 → 102

WAS VEHICLE LEGALLY PARKED AT CURB?
1 YES
2 NO

→ OTHER VEHICLE NO. 2 → 11 → 112

DRIVER EMPLOYMENT → YOUR VEHICLE NO. 1 → 12 → 122

WAS DRIVER EMPLOYED BY THE VEHICLE OWNER?
1 YES
2 NO

→ OTHER VEHICLE NO. 2 → 13 → 131

Please Read Instructions 1 Through 11 On Other Side of Fold Before Completing

EXPLANATIONS:

1. It was snowing.
2. 11:00 a.m. is daylight.
3. It was snowing.
4. You were going south.
5. The truck was going in in the same direction, since it came up behind you.
6. You were in a car. (#1 is "passenger car or station wagon")
7. The other car was a delivery truck.
8. Even though a mailbox was was also involved (a "fixed object"-that is, something which doesn't move) the main accident involved the car and the truck.
9. The "first event" (the truck hitting the car) happened on the road.
10, 11. Neither vehicle was parked.
12. You were not "employed" by yourself. This question would involve a company's insurance policy covering the accident instead of the driver's personal policy.
13. We assume that the driver worked for the pizza company.

EXERCISE C: ANSWERS

DMV USE

NEW JERSEY DIVISION OF MOTOR VEHICLES
MOTOR VEHICLE ACCIDENT REPORT

Follow Instruction on other side

14 ACCIDENT DATE MO. DAY YEAR	15 DAY OF WK.	16 TIME	17 NUMBER OF VEHICLES	18 NUMBER KILLED	19 NUMBER INJURED	20 DID POLICE INVESTIGATE ACCIDENT?	21 NAME OF POLICE AGENCY
(Fill in for yesterday)		☐ AM ☒ PM	2	0	2	☒ YES ☐ NO	Irvington police

22 LOCATION OF ACCIDENT (MUNICIPALITY)	23 ROUTE NUMBER OR NAME OF STREET	24 IF NOT AT INTERSECTION COLLISION WAS BETWEEN:
Irvington	Springfield Avenue	ROAD 1
25 COUNTY: Essex	26 INTERSECTING STREET, ROAD OR RAILROAD: Grove Street	ROAD 2 DISTANCE FROM ROAD 1

	Your Vehicle 1	Other Vehicle 2
27 INSURANCE COMPANY		44 INSURANCE COMPANY: PAYOUT INSURANCE CO.
28 POLICY NO.	FILL IN	45 POLICY NO.: 0B0805 019542266 343 4
29 DRIVER'S FIRST NAME / INITIAL / LAST NAME	INFORMATION	46 DRIVER'S FIRST NAME / INITIAL / LAST NAME: Samuel P Smash
30 NUMBER AND STREET	ABOUT	47 NUMBER AND STREET: 222 Calamity Lane
31 CITY / STATE / ZIP CODE	YOURSELF	48 CITY / STATE / ZIP CODE: Irvington NJ 07111
32 DRIVER'S LICENSE NUMBER / 33 STATE / 34 BIRTH DATE MO. DAY YEAR / 35 EYE COLOR / 36 SEX		49 DRIVER'S LICENSE NUMBER: SA123 44273 48433 / 50 STATE: NJ / 51 BIRTH DATE: 08 13 / 52 EYE COLOR: brown / 53 SEX: M
37 OWNER'S FIRST NAME / INITIAL / LAST NAME (☐ SAME AS DRIVER)		54 OWNER'S FIRST NAME / INITIAL / LAST NAME (☒ SAME AS DRIVER)
38 NUMBER AND STREET		55 NUMBER AND STREET
39 CITY / STATE / ZIP CODE		56 CITY / STATE / ZIP CODE
40 MAKE OF VEHICLE / 41 YEAR / 42 LICENSE PLATE NO. / 43 STATE		57 MAKE OF VEHICLE: Chrysler / 58 YEAR: 1976 / 59 LICENSE PLATE NO.: 444 RAB / 60 STATE: NJ

61 DESCRIBE DAMAGE TO VEH. NO. 1: front bumper crushed

62 CIRCLE ONE OF THE 8 DIAGRAMS BELOW IF IT ADEQUATELY DESCRIBES THE ACCIDENT OR DRAW YOUR OWN DIAGRAM IN THE SPACE TO THE RIGHT

63 9

DIAGRAM — INDICATE NORTH

- 1. REAR END
- 2. OVERTAKING
- 3. LEFT TURN (circled)
- 4. INTERSECTION
- 5. RIGHT TURN
- 6. RIGHT TURN
- 7. HEAD ON
- 8. SIDESWIPE

64 DESCRIBE DAMAGE TO VEH. NO. 2: passenger door crushed—it cannot open window broken

EST. COST TO REPAIR: $225

EST. COST TO REPAIR: $350

INJURED LOCATED
1 IN VEH. 1 B ON A PEDALCYCLE O OTHER
2 IN VEH. 2 P PEDESTRIAN

POSITION IN/ON VEHICLE
1 DRIVER 2 THRU 7 PASSENGERS
8 RIDING/HANGING ON OUTSIDE

VICTIM'S PHYSICAL CONDITION
1 KILLED
2 INCAPACITATED
3 MODERATE INJURY
4 COMPLAINT OF PAIN

65 ACCIDENT DESCRIPTION: I was driving west on Springfield Ave. Car 2 turned left in front of me. It was so close I could not stop in time. My car hit Car 2 in the passenger's door.

66 DESCRIBE DAMAGE TO PROPERTY OTHER THAN VEHICLE (GIVE OWNER'S NAME AND ADDRESS AND EST. COST TO REPAIR)

Injury Section: Fill Out Space Below for Every Person Injured or Killed in the Accident.

67	68	69	70 AGE	71 SEX	NAME AND ADDRESS OF INJURED / NATURE OF INJURY
2	1	3	37	M	Samuel P Smash 222 Calamity Lane Irvington NJ 07111 cut face
2	3	3	25	F	Rose Ann Rosannadanna 10 W. 10th St. Fort Lee, N.J. + bruken glass

EXPLANATION OF ANSWERS TO EXERCISE C

Items 14 - 23. This basic information was taken from the description of the accident: where it happened, what time, etc.

24. because the accident did take place at an intersection, you skip #24. If the accident was not at an intersection, you would say something like:

If not at intersection collision was between:

Road 1 Main Street

Road 2 Peach Street

Distance from Road 1 100 yards

25. Irvington is in Essex County

26. Grove was the cross street

27 - 43. This information is about you, it is taken from your License and registration

44 - 45. Get this information from Sam's insurance card

46 - 53. Get this information from Sam's driver license (note: it does not give the day on the license. You would have to get that from Sam himself.)

52. You can fill in the eye color by looking at the person or you can get it from the driver license. The license gives a code (on Sam's license, under "eyes" it says "2".) On the back of the license the code numbers are explained: 1 = black, 2 = brown, 3 = gray, 4 = blue, etc. Codes are also given for weight and restrictions (for example, if you must wear glasses to drive).

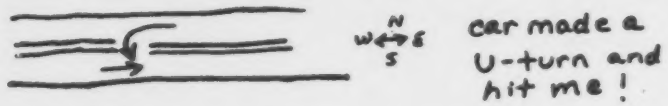
EXPLANATION OF ANSWERS TO EXERCISE C - (con't.)

Items 54 - 56. Since Sam was driving his own car, it is not necessary to repeat all the information.

57 - 60. This information is taken from Sam's car registration.

61. Describe the damage to your car in words. You should get an estimate from a repair shop for the estimated cost to repair.

62 - 63. The 8 diagrams below cover most 2-car accidents. (#3 shows a car making a left turn in front of another car). If your accident does not fit any of the diagrams, you can draw your own in #63. Your drawing does not have to be a work of art, as long as it shows what happened:



64. Describe the damage to the other car and get an estimate of the cost at a repair shop.

65. As clearly as you can, describe the accident in words.

66. If you hit anything else (a store window, a house, etc.) tell about it.

67 - 71. Put names and addresses of 2 injured people, then give information about each of them:

67-69. Get this information from your observation of the accident.

70. Either ask the people, or get the age from the driver license. (It gives the year of birth and you can figure it out from that).

71. If you can't tell, you're in trouble!

EXERCISE D: ANSWERS

If you used Sam Smash, the insurance section should look like this:

NEW JERSEY	If you fail to give full information below, it will be assumed that you did not have automobile liability insurance.	Fill in this form with information from your insurance policy. All information will be verified with the insurance company.	DMV USE

NAME OF INSURANCE COMPANY COVERING YOU FOR LIABILITY FOR DAMAGE OR INJURY TO OTHERS (NOT AGENT)
Payout Insurance Company

NAME AND ADDRESS OF INSURANCE AGENT WHO SOLD YOU POLICY
Car-Care Agency 99 Ripple Street Irvington NJ 07111

POLICY NO.	POLICY PERIOD FROM	TO
DB0805 019 5y22 66 343 4	7/2/80	7/2/81

DATE OF ACCIDENT MONTH DAY YEAR	MAKE OF YOUR VEHICLE (NO. 1)	YEAR	VEHICLE IDENTIFICATION NO.
(fill in date)	Chrysler	1976	1112412345

LOCATION OF ACCIDENT – STREET OR ROUTE NO. AND MUNICIPALITY (SAME AS ITEMS 22, 23, 24 ABOVE)
Springfield Ave. Irvington NJ

NAME AND ADDRESS OF DRIVER – VEHICLE 1
Samuel P. Smash - 222 Calamity Lane, Irvington, N.J. 07111

NAME AND ADDRESS OF OWNER – VEHICLE 1
same

NAME AND ADDRESS OF POLICY HOLDER – VEHICLE 1
same

IMPORTANT — This accident should also be reported directly to your insurance representative. Failure to report may jeopardize your vehicle liability insurance.

NOTICE that in this case, the driver, owner and policy holder were the same person, so it was not necessary to repeat the name and address.

NOTICE the difference between the Insurance Company and the Insurance agent. The agent is the local firm which sells insurance - often for different companies. The agent's address does not appear on the insurance identification card. You can get it from your insurance policy.

THE AIRPORT

EXAMINE YOURSELF:

1. Have you ever been to the airport?
2. Have you ever flown on an airplane?
3. Have you ever taken public transportation to the airport?
4. How would you get from the train station to the airport?
5. Are you fearful of flying?
6. Where in the airport would you pick up your baggage after a flight?
7. Can you purchase your ticket some place other than the airport?
8. Do you know how to make reservations for a flight?
9. In the airport, where can you get information about the arrival, departure or boarding gate of a flight?
10. Before you go to the airport, how can you find out if a flight is on time?

ANSWERS:

4. shuttle bus; regular bus; taxi
6. baggage claim area
7. travel agency
8. use a travel agency
   call the airline
9. from the airline desk
   from the T.V. screens near the airline desk

AIRLINE CHART

These charts were drawn from a T. V. screen at the airport. The T. V. screen lists airline arrivals and departures. STUDY THE CHART. Then answer the questions.

Flyaway Airlines Departures

FLT	DESTINATION	TIME	GT	REMARKS
1551	Atlanta Ft. Lauderdale	5:30	50	delayed
653	Washington Raleigh/Durham	5:17	42	boarding
503	Louisville Evansville	5:35	58	On Time
893	W. Palm Beach	5:35	52	boarding
716	Boston	5:50	45	On Time
717	Orlando	6:00	53	On Time

5:23

Flyaway Airlines Arrivals

FLT	FROM	SKED/ACTUAL		GATE
716	Orlando	5:21	ARRIVED	45
3	Boston	5:49	5:59	54
186	Tampa Washington	6:06	6:06	42
358	Columbia Charlotte	6:08	5:55	50
6	Miami	6:12	6:30	51
359	Boston	6:52	6:52	52
606	Evansville Louisville	7:00	7:00	58

QUESTIONS:

1. Which chart shows planes which are leaving?
2. Which chart shows planes which are coming into the airport?
3. What time is it now?
4. Where is Flight 503 going?
5. What time does the flight to Boston leave?

QUESTIONS: (cont'd)

6. Can I still catch Flight 653 to Washington?

7. Where do I go to catch the plane to Orlando?

8. I'm on my way to Atlanta. What can I tell from the chart about my plane?

9. My cousin is coming from Miami on Flight 6. Where do I meet him?

10. What is the number of the flight from Tampa?

11. Where is flight 359 coming from?

12. When is flight 358 due to arrive?

13. Is flight 6 on time?

14. Is flight 359 on time?

15. Which arriving flights are late?

16. Which arriving flights are early?

17. Which arriving flights are on time?

18. Which flight has already landed?

AIRLINE CHART: ANSWERS

1. The chart on the left shows departures.
2. The chart on the right shows arrivals.
3. The clock in the middle says 5:23.
4. Louisville and Evansville
5. Flight 716, at 5:50
6. Flight 653 is boarding. You'll have to hurry; people are already getting onto the plane.
7. Gate 53
8. The flight to Atlanta is running late. ("delayed")
9. Gate 51
10. 186
11. Boston
12. It was scheduled for 6:08 but will arrive at 5:55.
13. Flight 6 is running late.
14. yes
15. 3; 6
16. 358
17. 186; 359; 606
18. 716

FEAR OF FLYING

Are you afraid to fly? Many people have an irrational* fear of air travel. Some passengers are afraid because they feel helpless; they feel that there is nothing they can do to control the plane or to avoid danger. Some travelers are afraid of crashing; some fear bombs on board the plane; others fear highjackers.

The genuine* danger in air travel is slight*. Flying is one of the safest methods of transportation. Last year only 115 people died in air accidents. In the same period of time 56,000 people died in car accidents. Statistics such as these demonstrate the safety of air travel. It is more dangerous to be in the bathroom of your home than it is to be on an airplane.

There are ways to overcome a fear of flying. Many people lose their fear after they take their first flight. Some fearful flyers form groups to support each other in fighting fear. A few facts can help. Remember: pilots must undergo thorough training and are expert at their job. Airplanes are carefully designed, and mechanics check them before every flight. Metal detectors and other airport security measures lessen the risk of bombs and guns on board. These techniques can help all flyers become fearless.

* irrational: unreasonable, senseless
* genuine: real, actual
* slight: small

QUESTIONS:

1. Why is fear of flying an "irrational" fear?
2. Name 3 things people are afraid of when they travel by plane.
3. What do the statistics tell us about air travel safety?
4. How can fearful flyers overcome their fear?
5. What facts can make travelers feel safer about:
    a) pilots
    b) planes
    c) bombs and highjackers

EXERCISE I.

USE THE UNDERLINED WORDS IN A SENTENCE OF YOUR OWN!!!

EXERCISE II.

Look at the following words:

a) senseless
b) fearless
c) helpless

1. These words are made of 2 parts: a main word, called the root word, and an ending, called the suffix. What is the ending on these words? _____
2. What is the root word for each word? a)____b)____c)____
3. A suffix changes the meaning of the root word. What is the meaning of the suffix "-less"? _____
4. Can you think of other words which have this suffix? Write down some -less words.

QUESTIONS:

1. The fear of flying is irrational because it has no basis in fact.
2. Crashing, bombs, highjackers.
3. Air travel is very safe - safer than car travel.
4. People can overcome fear by flying; by joining self-help groups; by learning safety facts.
5. a) pilots - they undergo careful training
   b) planes - they are well-designed and carefully checked
   c) bombs and highjackers - there are metal detectors and security measures

EXERCISE I.

Sentences will vary. Show your sentences to your teacher.

EXERCISE II.

1. -less
2. a) sense b) fear c) help
3. without
4. Examples:

careless	penniless	hairless
friendless	shameless	groundless
etc.		

THE AIRPORT

NEWARK AIRPORT MAP/GUIDE: QUESTIONS

In the booklet Newark International Airport Map/Guide, study the maps and read the pamphlet to answer the following questions;

READING HINT: Use the headings or titles to help you find information quickly.

1. How can I get from Newark Airport to J.F.K. Airport?

2. How can I get from Newark Airport to:
   a) South Plainfield
   b) East Orange (2 ways)
   c) Summit
   d) Manhattan (2 ways)

3. How can I get to Newark Airport from:
   a) Scotch Plains
   b) Trenton
   c) West Orange (2 ways)
   d) Somerville (2 ways)

4. How do I get from Terminal A to Terminal B?

5. What town is Newark Airport in?

6. What is the cost of travel between Newark Airport and the City of Newark?

HINT: Is there only one way to travel between the airport and the city?

THE AIRPORT

NEWARK AIRPORT MAP/GUIDE: QUESTIONS

7. How much does it cost to park in Lot B?

8. What is the cost of a taxi ride to Newark?

9. What highways run to Newark Airport?

10. What happens when Lot D is full?

11. Who manages Newark Airport?

12. What is "Share and Save"?

13. How much is limousine service to Union County?

14. How much is a helicopter ride to Morristown?

15. What special facilities are there for people in wheelchairs?

16. What number do I call for an emergency?

17. What do I do if my baggage is lost?

18. My cousin is flying in from California. How do I find out if his flight will be on time?

THE AIRPORT

NEWARK AIRPORT MAP/GUIDE: ANSWERS

1. a) New York Airways helicopter
   b) Salem Transportation limousine

2. a) South Plainfield: United Limousine Shuttle
   b) East Orange: TNJ bus
   c) Summit: Airport Limousine
   d) Manhattan: (2 ways)
      Carey Coach (bus)
      Transport of N. J. bus

3. a) Scotch Plains: Airport Limousine Service
   b) Trenton: Salem Transportation Co.
   c) West Orange: TNJ Airport Limousine
   d) Somerville: Airport Limousine
      United Limousine

4. free Port Authority bus

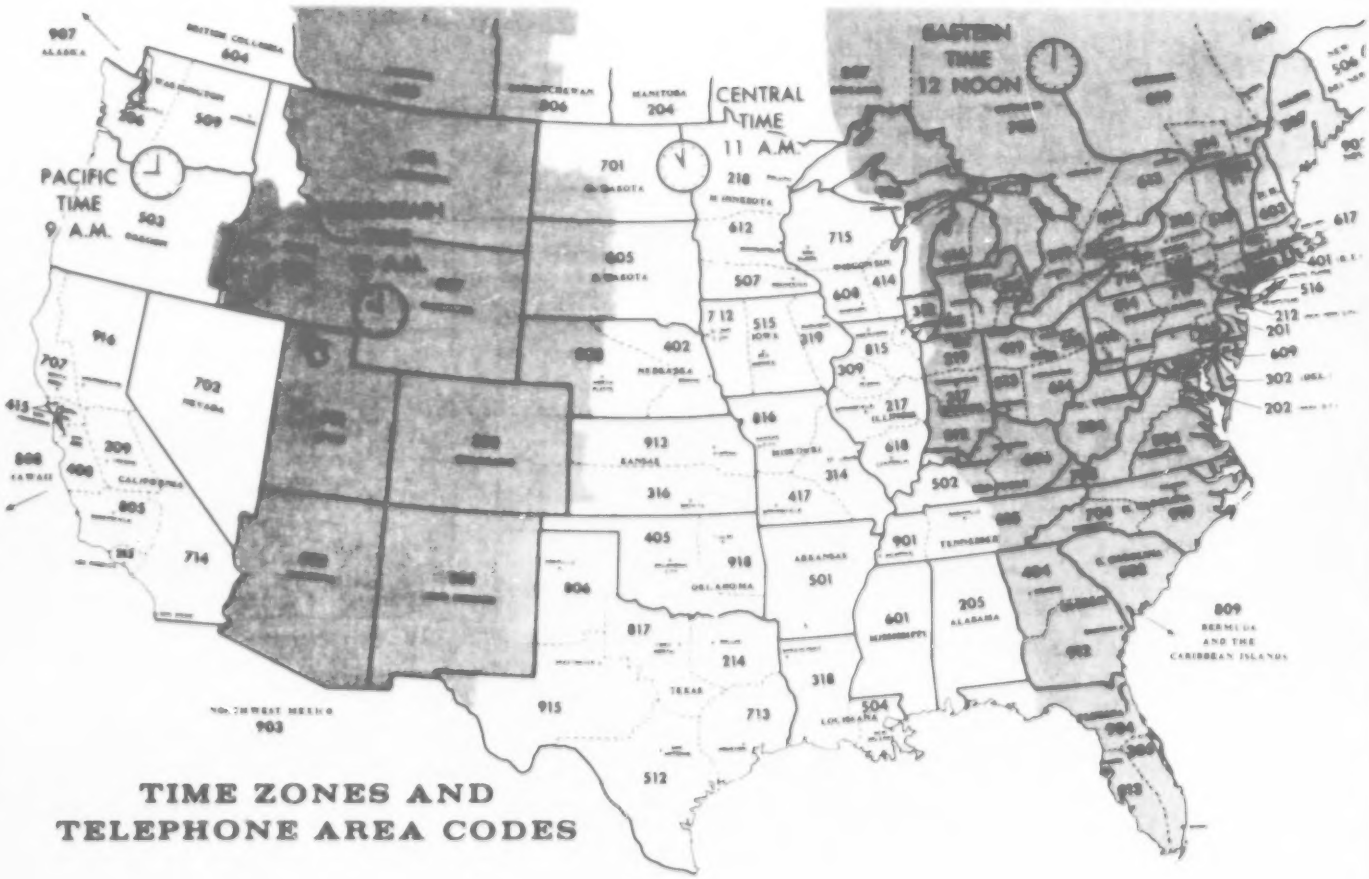
5. Newark and Elizabeth

6. Airlink Mini-Coach $1.00
   TNJ bus #21 40¢

THE AIRPORT

NEWARK AIRPORT MAP/GUIDE: ANSWERS

7. 50¢ an hour; $5.00 maximum per day
8. $5 - $7
9. New Jersey Turnpike (exit 14), Rtes. 1-9, Rte. 22, I-78
10. Go to a special section of Lot C
11. The Port Authority
12. A program which allows up to 4 people to share a taxi to save money.
13. $5.50 - $12.00
14. $9.49 - $14.35
15. Restrooms are designed for the handicapped. There are elevators and special parking areas for wheelchair travelers. If a wheelchair will be needed, notify the airline when making reservations.
16. the special Police Emergency number is 961-2233
17. Follow these steps:
    a) Notify the airline you travelled with
    b) If the airline cannot help you, call Lost and Found at 961-2235
18. Most airlines list special telephone numbers (in the phone book) for current information on arrivals and departures. Call the airline to see if a flight is on schedule.

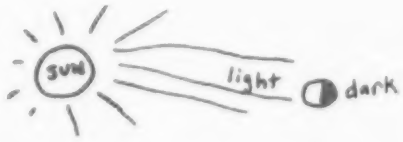


TIME ZONES AND TELEPHONE AREA CODES

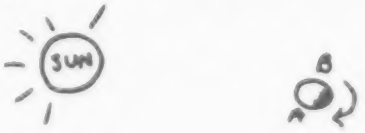
Time is a funny thing. When it is 2:00 in the afternoon in New York it is 11:00 in the morning in California and 7:00 p. m. in England. This can be confusing. Why can't it be 2:00 in the afternoon everywhere at the same time?

To understand time zones, picture the world as a round globe. The sun is off in space, lighting up part of the earth. The rest of the earth is dark.

FIGURE I.



As the earth turns, parts of it come into the light. It is morning there. (point A on Figure 2). At the same time, parts of the earth move out of the light. It is evening there. (point B on Figure 2).



It is this turning of the earth that makes time zones necessary. Different parts of the earth come to different hours of the day at different times. To manage these differences, the world has been

divided into 24 time zones, each an hour apart. When it is 10:00 a.m. (morning) in one time zone it is 11:00 a.m. in the next one, 12 noon in the next, 1:00 p.m. (afternoon) in the next, and so on around the globe. The time moves forward (later) to the east and backward (earlier) to the west.

The United States covers four of these time zones. Eastern time covers the eastern states. Central time covers the middle of the country over to the Rocky Mountains. Mountain time covers the mountain area. Pacific Time covers the west coast. The lines between the time zones are not straight lines. They bend and curve to avoid breaking up states, although some states have land in two different time zones. Look at the time zone map. In parts of Kentucky, Tennessee, Indiana and other states, two towns next to each other may be one hour apart. Imagine how confusing this can be!

Have you ever called someone in California and had them say, "Why are you calling me in the middle of the night"? It's the time zones! When it is already 9 in the morning in New York, it's only 6 a.m. in California. To work with time zones, you simply count backwards or forwards the number of time zones you are covering. 4 p.m. eastern time is 3 p.m. central time (one time zone). 3 a.m. Pacific time is 5 a.m. central time (two time zones ahead). 11 p.m. mountain time on a Tuesday is 1 a.m. eastern time on a Wednesday. You have moved two time zones ahead, but by crossing midnight you have moved into the next day!

PRACTICE WITH TIME ZONES: FIRST EXERCISE

1. When it is 3 p.m. in New York, what time is it in:
   a. Colorado?
   b. Minnesota?
   c. Nevada?
   d. South Carolina?
   e. Nebraska?
2. When it is 12 noon in Colorado, what time is it in:
   a. Washington (state)?
   b. Wahington, D.C.?
   c. Virginia?
   d. Eastern Kansas?
   e. Maine?
3. When it is midnight in Arkansas, what time is it in:
   a. Detroit?
   b. Philadelphia?
   c. Sacramento?
   d. Miami?
   e. Dallas?
4. When it is 2 a.m. in New Hampshire (N.H.), what time is it in:
   a. Louisville?
   b. Savannah?
   c. San Jose?
   d. Wyoming?
   e. Des Moines?

PRACTICE WITH TIME ZONES: FIRST EXERCISE - ANSWERS

1. a. 1 p.m.
   b. 2 p.m.
   c. noon
   d. 3 p.m.
   e. 2 p.m. in the east; 1 p.m. in the west
2. a. 11 a.m.
   b. 2 p.m.
   c. 2 p.m.
   d. 1 p.m.
   e. 2 p.m.
3. a. 1 a.m.
   b. 1 a.m.
   c. 10 p.m.
   d. 1 a.m.
   e. midnight
4. a. 2 a.m.
   b. 2 a.m.
   c. 11 p.m.
   d. midnight
   e. 1 a.m.

PRACTICE WITH TIME ZONES: SECOND EXERCISE

Use map which shows Time Zones to answer these questions:

1. James lives in New York.
   He wants to call his sister in Chicago at 11:00 a.m. her time.
   When must he phone?
2. Flora lives in Los Angeles. Her plane leaves California at 11:30 p.m. and arrives in New York at 8:30 a.m. How long is the flight?
3. Sanford and Son goes on the air at 8:00 p.m. in New York. What time is it in Colorado?
4. Jeremy is driving from Detroit to Madison, Wisconsin. The trip takes 8 hours. If he leaves at 8:00 a.m., what time will he arrive?
5. Brenda has a 2:30 p.m. appointment in Amarillo, Texas. She lives in New Mexico. It will take her 1½ hours to drive. What time must she leave?
6. Timothy is flying from Wyoming to Florida. It is a 5-hour trip. If he leaves at 10:27 a.m., what time will he arrive?
7. Cheryl wants to talk to her sister in Topeka. Cheryl, who lives in Montana, knows that her sister always leaves the house by 8:00 a.m. When should she call?
8. Clyde is from Chicago. He wants to call his friend in Maine sometime after 5:00 p.m. When should he call?
9. Diane is flying from Arkansas to Las Vegas. Her flight leaves at 7:15 p.m. and arrives at 7:23 p.m. How long will she be in flight?

PRACTICE WITH TIME ZONES: SECOND EXERCISE - ANSWERS

1. 12 noon. 11 a.m. central time is 12 noon eastern time.

2. 6 hours. Change both times to the same time zone, either Pacific (California) time or eastern (N.Y.) time.
   11:30 PST to 5:30 PST = 6 hours OR 2:30 EST to 8:30 EST = 6 hours

3. 6:00 p.m. central time is two hours behind eastern time.

4. 4:00 p.m. Detroit time = 3 p.m. Madison time.

5. 1:00 Texas time = 12 noon New Mexico time.

6. 3:27 p.m. Wyoming time = 5:37 p.m. Florida time.

7. By 7 a.m.

8. After 4 p.m. Maine is one hour later than Chicago.

9. From 7:15 to 9:23 p.m. = 2 hours 8 minutes.
   7:23 p.m. Las Vegas time = 9:23 p.m. Arkansas time